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AN ASSESSMENT OF THE WATER QUALITY
OF THE WABASH RIVER BASIN
DERIVED FROM A BIOLOGICAL INVESTIGATION

Prepared for the
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AN ASSESSMENT OF THE WATER QUALITY
OF THE WABASH RIVER BASIN
DERIVED FROM A BIOLOGICAL INVESTIGATION

INTRODUCTION

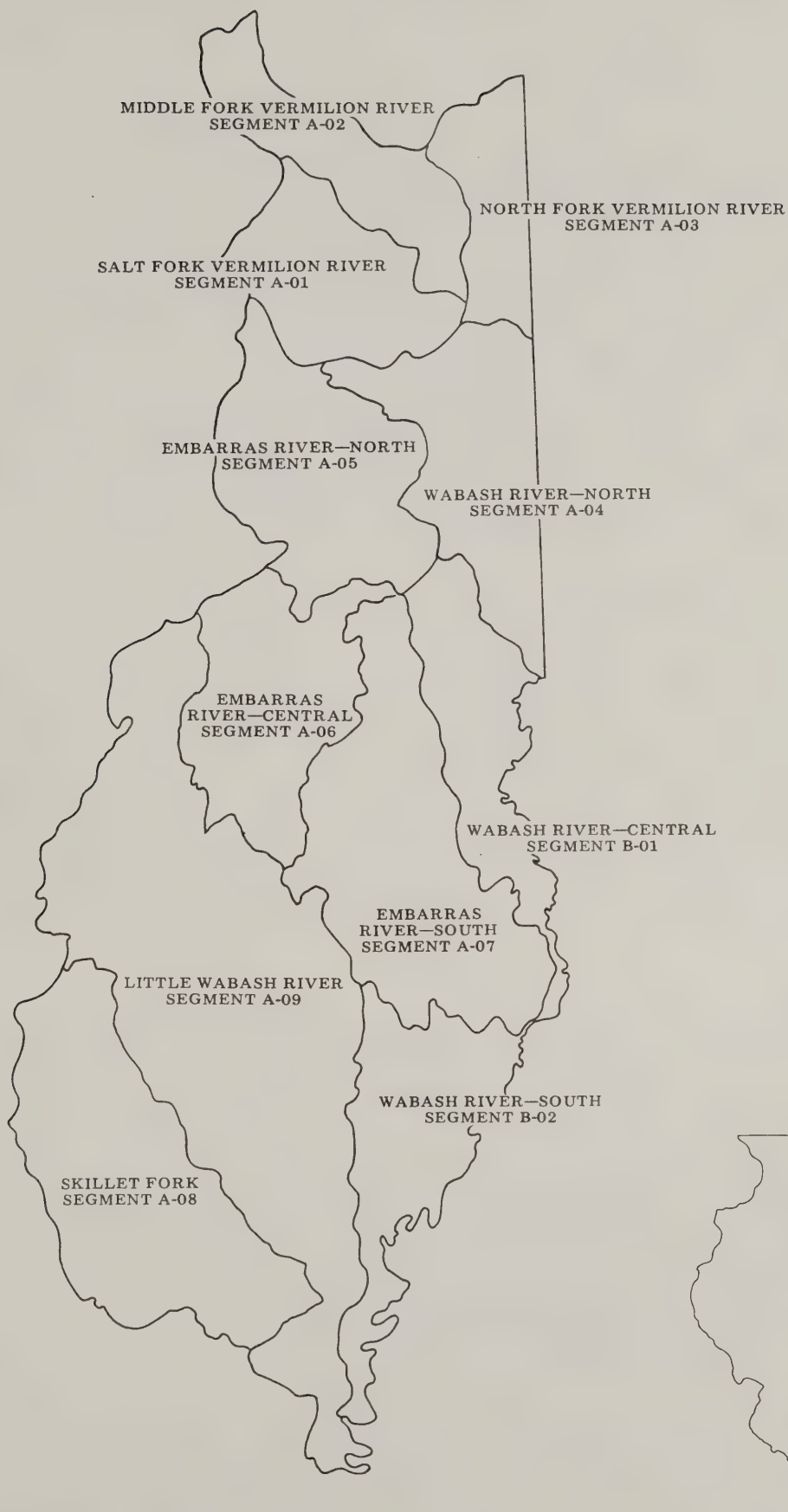
The benthic macroinvertebrate communities which develop at stream sites integrate factors such as climate, atmosphere, sun, lithography, topography, and urban, agricultural, and industrial activities. In turn, these govern inputs of nutrients, chemicals, allochthonous material, sediment, and other factors which affect the quality and quantity of runoff water entering stream systems (Karr and Gorman 1975).

Consequently, the composition of benthic macroinvertebrate communities is useful in evaluating long term changes in stream water quality resulting from a variety of man's activities including point sources of pollution from wastewater treatment plant effluents, industrial discharges, and some agricultural sources and non-point sources, both of which can change the structure of benthic communities.

Almost 900 sites were sampled in the Wabash River basin in southeastern Illinois (Fig. 1) to assess existing stream quality conditions based upon the composition of the benthic macroinvertebrate communities observed. Sampling was conducted during autumn, 1976, and spring and summer, 1977, to evaluate the effects of nearly 200 point sources upon benthic communities. Additional sampling was done to assess the effects of agricultural non-point sources of pollution and the presence of oil fields in the basin.

Figure 1. The Wabash River basin in Illinois, showing the designated Illinois Environmental Protection Agency stream segments.

WABASH RIVER BASIN



DESCRIPTION OF THE STUDY AREA

OVERVIEW

Location and topography. This survey documents existing stream conditions in the Wabash River basin, Illinois, based upon benthic macroinvertebrate communities. The Wabash River basin in Illinois is bounded on the north by the Kankakee River basin; on the east by the Indiana state line; on the south by the Saline River basin; and on the west from north to south by the Vermilion, Mackinaw, Sangamon, Kaskaskia, and Big Muddy River basins. The watershed in Illinois comprises nearly 2,280,000 ha, 15.8% of the total area of the state, and includes portions of 27 counties, as follows: Champaign, Clark, Clay, Coles, Crawford, Cumberland, Douglas, Edgar, Edwards, Effingham, Fayette, Ford, Franklin, Gallatin, Hamilton, Iroquois, Jasper, Jefferson, Lawrence, Marion, Moultrie, Richland, Shelby, Vermilion, Wabash, Wayne, and White. Drainage is into the Ohio River southeast of New Haven, Gallatin County, Illinois. In spite of the size of this watershed in Illinois, it is significant to note that the watershed includes an additional approximately 6,294,000 ha in Indiana and Ohio.

As with most river basins in Illinois, the physiography of the Wabash River basin reflects the Pleistocene history of the area. The Wabash River originates in the glacial lakes of northwestern Ohio and northern Indiana and flows west and southwest, reaching the Illinois state line southeast of Marshall. The entire course of the river is through the Till Plains Section of the Central Lowland Province. In its course along the eastern border of Illinois, it receives flow from the Bloomington Ridged Plain, the Springfield Plain, and finally, the Mt. Vernon Hill Country. The junction of the Wabash and Ohio Rivers delimits the Central Lowland Province from the Interior Low Plateaus Province. The entire watershed in Illinois drains deposits of the Illinoian glaciation. North of the northern border of Clark County, however, these deposits are overlain by more recent Wisconsinan deposits.

Geology. The original bedrock surface underlying the Wabash River basin is complex in the north. Silurian, Devonian, and Mississippian strata all break through the more recent Pennsylvanian strata in Champaign, Ford, Iroquois, and Vermilion Counties. The remainder of the watershed in Illinois is underlain by Pennsylvanian strata. Pennsylvanian rocks of the Caseyville, Abbott, and Spoon formations occur in Champaign and Vermilion Counties. To the south, these are replaced by the Carbondale and Modesto formations which follow the Wabash River valley to the mouth of the Embarras River in Lawrence County and form a ridge between the Embarras River and the North Fork of the Embarras River south to Crawford County. The remainder of the Wabash River basin in Illinois is underlain by the Bond and Mattoon formations of the Pennsylvanian strata. Pennsylvanian strata in parts of the watershed reach a depth of 615 m. Within this rock lie as many as 10 distinct strata of coal.

Climatology. Eastern and southeastern Illinois have a continental climate

with a wide range in temperature and frequent short-term fluctuations in temperature, humidity, cloudiness, and wind direction. Isotherms are, in general, from east to west indicating an increase in temperature from north to south. The difference in mean temperature between northern and southern portions of the watershed is less pronounced in summer than in winter. Isohyets are somewhat less regular than isotherms, but generally precipitation increases from north to south.

Climatological data from U. S. Weather Service stations in the Wabash River basin are summarized in Table 1. These data show a mean air temperature of 12.1 °C with extremes from -32 °C to 47 °C. The growing season varies from 164 to 190 days. Mean annual precipitation is 103.16 cm. This is concentrated in the growing season in the north, but distributed fairly evenly throughout the year in the south. September and October normally are the driest months. Mean annual snowfall is 38.8 cm.

The lakes and ponds of the northern part of the Wabash River basin usually are icebound from late December through early March. This is true also for most streams in the area. Ice cover ranges up to 30 cm. In the south, the depth of freeze in the soil averages about 15 cm, but during much of the average winter the ground and most lakes and ponds are not frozen. The rivers and streams also usually remain open during most of the winter.

Vegetation. A detailed classification of biotic provinces in Illinois was expressed by Vestal (1931) who based his divisions upon forest types of the original vegetative cover of the state. Four of his provinces occur within the Wabash River basin.

The *Grand Prairie Division* comprises all original prairie, except the sand areas, north of the southern limit of the Wisconsinan glaciation. This division includes the black-soil prairie surrounding the forested morainal hills in the northern part of the watershed. Intermorainal depressions contained marshes, lakes, and bogs. Large bunch grasses predominated in the prairie.

Bur oak was the predominant tree of the *Forests of the Grand Prairie Division*. Linden and red oak became frequent in mesic sites. Most of the older moraines in the southern part of this division are treeless, although it has been demonstrated that forest was much more extensive prior to prehistoric prairie fires.

The *Southern Division* was represented by the oldest area of Illinoian drift, exclusive of the loess-covered river borders. The original surface of this area was very flat, but due to its age, weathering, leaching, and stream erosion have affected greatly the character of the division. Vestal (1931) divided this division into three districts, two of which occur in the Wabash River basin. The Effingham District still represents the flat till-plain, while the McLeansboro District contains very little flat tableland. The landscape here is highly dissected by river bottomlands. Oak-hickory forest occurred throughout both districts, but black and sweet gum and the tulip tree also were represented in the McLeansboro District.

Table 1. Climatological data for 15 counties in the Wabash River basin, Illinois (period of record to date).

Location (county)	Temperature (°C)			Precipitation (cm)		Growing Season (days)
	Min.	Max.	Mean	Rainfall	Snowfall	
Champaign	-32	43	10.6	103.12	53.3	175
Clay	-	47	12.9	105.92	34.3	185
Coles	-31	43	12.1	96.24	43.2	178
Crawford	-29	46	12.7	104.44	38.1	186
Cumberland	-31	43	-	-	43.2	178
Edgar	-	-	11.9	100.02	-	-
Edwards	-	47	13.0	112.27	15.2	190
Hamilton	-30	45	13.8	107.95	26.7	189
Jasper	-	46	10.9	98.98	39.4	185
Lawrence	-	-	-	109.73	40.6	190
Richland	-	44	13.1	105.74	41.9	185
Vermilion	-30	44	11.1	95.99	50.8	164
Wabash	-	-	11.7	-	-	-
Wayne	-	-	13.3	93.66	39.4	188
White	-	-	-	105.08	-	-

The *Wabash Border Division* included the well-dissected belt of loess-covered hills west of the Wabash floodplain and the bottomlands themselves. The upland forests owe some of their distinctness to the absence of post and blackjack oak as well as to the presence of a few beech trees. The bottomlands contained luxuriant forests, including a number of southern plants such as the sweet gum, swamp oak, pecan, and tupelo.

It should be noted that Vestal (1931) was writing of original vegetative cover, much of which was altered even in his day. In spite of timber cutting, wetland drainage, and intensive agriculture, Smith (1961) found that the state's herpetofauna tended to coincide with Vestal's divisions. This implies an underlying influence of climatology, geography, and geology which transcends, in part, man-induced changes in vegetation and land use.

Population and land use. Most of the available population and land-use data are county-wide summaries. As such, these data reflect an area greater than the study area, but they are thought to be representative of the watershed. Data are available only for 21 of the 27 counties of the watershed. It is felt that means and percentages calculated from the 21-county data base are acceptable approximations of the entire 27-county area, but it is noted that four of the six "missing" counties are from the southern half of the river basin where the population is less dense and where mineral extraction activities represent a more significant role in the economy than in the predominantly agricultural areas to the north. The following are projections from the county-summary data provided by Fisher (1968, 1969a, 1969b, 1970a, 1970b, 1971), Lockhart (1968, 1969), Allen (1969, 1971), Horner (1969, 1970a, 1970b, 1970c, 1971a, 1971b, 1971c), Zebrun (1970), Fisher and Brown (1971a, 1971b), and Horner and Brummett (1972).

The principal early settlements of the Wabash River basin took place during the 18th century. These settlements expanded north along and west from the Wabash River. By 1820 this wave of settlers reached the northernmost portions of the watershed. The population of the area showed a fairly steady increase, especially during the oil boom of the early part of this century. The present population numbers about 5.7 million with a mean 10-year rate of decline of 3.6%. Population trends run from -12.3% (Edwards County) to +10.4% (Coles County), again based upon 10-year mean rates of change. In general, the southern counties are losing population and the northern ones are gaining. Population distribution ranges from 23% to 100% rural by county with a mean of 62% rural for the watershed. The population density ranges from 23.0 to 146.9 persons mi^{-1} with a mean of 49.1. The statewide average is just over 180 persons mi^{-1} .

Approximately 75% of the land in the Wabash River basin is agricultural. Corn, soybeans, and some wheat are the principal row crops. Livestock operations, principally hogs, appear to be declining. Coal mining is important in the north and south. Oil production is especially important in the central part of the watershed.

STREAM SYSTEMS

Wabash River (B). Early French explorers named the Wabash or *Oubache*. It is one of the largest tributaries of the Ohio River, originating about 24 km east of the Indiana-Ohio state line at Lake St. Mary, Ohio. The Wabash flows in a northwesterly direction to the vicinity of Huntington, Indiana, then turns southwesterly until it empties into the Ohio River just north of Shawneetown, Illinois. The Wabash and its major tributaries (Salanomie, Mississinewa, White, Embarras, Little Wabash, and the Patoka Rivers) drain an area of approximately 8,572,900 ha, of which 2,279,200 ha are in Illinois. The Wabash is 760 km long with 320 km forming the boundary between Illinois and Indiana.

The topography in the Wabash River basin varies considerably from one area to the next. In the upstream portion, the land has a shallow rolling characteristic; toward the south it tends to be more broken as it approaches its confluence with the Ohio River. These regions correspond to the till plains of the Wisconsinan and Illinoian glaciations, respectively.

The Wabash River and most of the tributaries are low-gradient streams, not exceeding 0.19 m km^{-1} . Through the Grand Prairie Division, the river banks are typically vertical silt banks. The Wabash River is an order 8 stream at its confluence with the Ohio River. The drainage pattern is intermediate between a fully bifurcate dendritic pattern and a trellis pattern. The Wabash River is underdeveloped at all levels, except the order 7 level. It never reaches the potential order 14 stream of a fully bifurcate dendritic drainage pattern. Morphometric data (for Illinois only) are summarized as follows:

<u>Order</u>	<u>Number Links</u>	<u>Mean Length (km)</u>	<u>Total Length (km)</u>
1	6,654	1.51	10,077.16
2	3,235	0.96	3,112.38
3	1,756	0.98	1,724.95
4	905	1.02	919.73
5	404	1.34	540.32
6	176	1.51	266.25
7	141	1.64	231.07
8	23	6.17	142.00
			TOTAL = 17,013.86

The major tributaries in Illinois are the Embarras River and the Vermilion River, both order 6 streams and the Little Wabash River, an order 7 stream, at their respective confluences with the Wabash River.

The soils of the Wabash River watershed were formed from loess deposited after the Wisconsinan glaciation. Alluvial material is present along the floodplains and river bottoms consist of sand, gravel, and rocks. There are 25 major soil associations present, formed from 42 separate elements. The associations and characteristics of the elements are listed below and will not be discussed in detail under each watershed subunit:

1. Cowden-Cisne,
2. Hosmer-Ava-Hickory,

3. Alford-Hickory,
4. Carmi-Sumner-Patton,
5. Wakeland-Petrolia-Darwin,
6. Stoy-Bluford-Blair,
7. Miami-Strawn-Camden,
8. Drummer-Flanagan,
9. Fincastle-Xenia,
10. Raub-Dana,
11. Sabina-Starks,
12. Sawmill-Huntsville,
13. Elliott-Swygert,
14. Proctor-Brenton,
15. Hosmer-Hickory,
16. Camden-Starks,
17. Russell-Strawn,
18. Miami-Russell-Fincastle,
19. Catlin-Sidell,
20. Lawson-Strawn,
21. Brenton-Drummer,
22. Ashkum-Elliott-Andres,
23. Elliott-Varna,
24. Boyce-Swygert,
25. Blount-Morley.

Alford is a loess soil described from Iowa. It is deep, light-colored, and medium to high in natural productivity.

The *Andres* series consists of somewhat poorly drained soils that have slopes of less than 3% on uplands. The surface layer is a black silt loam. The subsoil is a mottled dark grayish-brown clay loam in the upper part and silty clay loam in the lower part. The underlying material is silty clay loam, till, or lakebed sediments. Andres soils have a high organic matter content in the surface layer, moderate permeability in the subsoil, and a high available water capacity. Surface water runoff is slow to medium.

The *Ashkum* series consists of poorly drained soils that have slopes of less than 2% on uplands. They have a black silty clay loam surface layer. The subsoil is a mottled olive-gray silty loam. The underlying material is silty clay loam glacial till. Ashkum soils have a high organic content in the surface layer, moderately slow permeability in the subsoil and a high available water capacity. Surface water runoff is slow.

Ava silt loam is a light-colored, strongly developed soil usually found on slopes of 3% to 7%. It was developed under timber vegetation, from 0.5 to 1.3 m of loess on Illinoian drift. Ava is slowly to moderately permeable to the passage of air and water. It is moderately well drained. It has some fragipan formation which hinders deep root penetration. Major problems are fertility and erosion control. This soil is moderately productive under a high level of management.

Blair is an upland soil subject to slight to severe erosion on gentle to strong slopes, but with some level areas subject to wetness. The soil is deep to moderately deep, light-colored, and low to medium in natural

productivity.

The *Blount* series consists of somewhat poorly drained soils that have slopes of less than 5% on uplands. They have a dark grey silt loam surface layer. The subsoil is mottled light brownish-gray and yellowish-brown silty clay loam and silty clay. The underlying material is silty clay loam till. Blount soils have a low organic matter content in the surface layer, slow permeability in the subsoil, and a high available water capacity. Surface water runoff is medium to slow.

Bluford silt loam is a light-colored, strongly developed soil formed under timber vegetation from 0.5 to 1.3 m of Illinoian drift. It occurs on slopes of 1% to 4% and is slowly permeable to air and water. Bluford is imperfectly drained and has some fragipan development which inhibits deep root penetration. Tiles do not function satisfactorily in this soil. Major problems are fertility, drainage, and erosion control.

Brenton is a deep prairie soil and occurs on level to gently sloping areas. Water moves freely through this soil. The water supplying capacity and natural productivity are high. Brenton is formed from medium-textured, water-deposited, outwash material.

Bryce series soils include very poorly drained soils having slopes of less than 2% on uplands. The surface layer is black silty clay. The subsoil is a mottled olive-grey silty clay. The underlying material is silty clay. Bryce soils have a high organic matter content in the surface layer, high available water capacity, and slow permeability. Surface water runoff is slow.

Camden silt loam is a deep, light-colored timber soil occurring on slopes ranging from 2% to 5%. It is well-drained with good air and water movement through the soil. It has high water-supplying capacity and productivity is moderate to high. Natural fertility is low. This soil has developed in 0.6 to 1.0 m of silty material overlying water-deposited layers of silts, loams, sands, and occasional gravels. Gravel often occurs below the 1.5-m depth.

A terrace and upland soil subject to wetness on some level areas, *Carmi* soils are subject to droughtiness and wind erosion on sandy areas and slight to severe water erosion on gentle to moderate slopes. The soils are deep, light- to dark-colored, and low to high in natural productivity.

Catlin silt loam is a deep, dark-colored upland prairie soil occurring on slopes ranging from 2% to 12%. This soil is naturally well drained and air and water move freely through it. It has a high water supplying capacity. Catlin has formed in 1 to 1.6 m of silty loess over calcareous loam textured till.

Cisne silt loam is a deep, moderately dark-colored prairie soil usually found on slopes of 0% to 2%. It developed from 0.8 to 1.3 m of loess on weathered Illinoian till. This soil is strongly developed and acid. It is poorly drained with slow to very slow permeability. Tiles do not function satisfactorily in this soil. Plant roots penetrate the subsoil well, however.

Cowden silt loam is a deep, moderately dark-colored upland prairie soil usually found on slopes of 1% to 3%. It developed under grassland vegetation in 1.3 to 2 m of loess on weathered Illinoian till. The soil is acid and strongly developed. It is slowly permeable to water and poorly drained. Major problems are fertility, erosion control, and drainage.

Dana is a moderately well-drained upland prairie soil usually occurring on slopes of 2% to 7%. It has a high water supplying capacity and is highly productive when properly managed. Air and water move freely through this soil. It was formed from 0.5 to 1 m of loess over till.

Darwin is a bottomland soil subject to flooding. Wetness or droughtiness are problems in some parts of the area. The soils are deep, light- to dark-colored, and low to high in natural productivity.

Drummer silty clay loam is a deep, dark-colored prairie soil occurring on level to slightly depressed areas. It is naturally poorly drained and has a high water supplying capacity. The water table may be at or near the surface during parts of the year. The rate of water movement through the soil is good, when drained, and natural productivity is high. Drummer has developed in medium textured (silty or loamy) glacial material.

Elliott is an upland prairie soil occurring on slopes of 1% to 6%. Plant roots penetrate the till with difficulty. If this soil has not been drained, the water table may be too high during part of the year. It has rather slow underdrainage. The water supplying capacity is high. Elliott is formed from calcareous silty clay loam till.

Fincastle is a light-colored soil with a mottled, brown and gray silty clay loam subsoil and a clay loam lower subsoil containing some pebbles. Below 1 m, the soil consists of calcareous loamy material. Permeability is moderate and available moisture capacity is high.

Flanagan silt loam is a deep, dark-colored upland prairie soil usually occurring on slopes of 0% to 4%. If this soil has not been drained, the water table may be high during wet seasons. Air and water move freely through this soil. The water supplying capacity and natural productivity are high. Flanagan was formed from 1 to 1.5 m of silty loess over calcareous loam or silty clay loam textured till.

Hickory gravelly loam is an eroded, light-colored timber soil usually found on slopes of 15% to 30%. This soil developed from till. It is moderate to moderately slow in its permeability to water.

Hosmer silt loam is a deep, light colored, strongly developed timber soil, formed from 1.5 to 3 m of loess on Illinoian drift or from 2 m of loess over bedrock. This soil is generally moderately well-drained. It is moderately slow to slowly permeable and the fragipan resists root penetration.

Huntsville is a deep, dark brown to black soil which is a water deposited floodplain soil. It is highly productive.

Lawson is a deep, dark-colored bottomland soil. It has not been

drained and the water table is usually high during the wetter parts of the year. Air and water move freely through this soil. The available water-holding capacity and natural productivity are high.

Miami is a naturally well-drained, light-colored timber soil usually occurring on slopes from 2% to 12%. Air and water move freely in this soil and it has no obstruction to deep root growth. It has a high water supplying capacity. It was formed from calcareous loam-textured till.

The *Morley* series consists of moderately well-drained soils that have 2% to 30% slopes on uplands. They have a dark grayish-brown silt loam surface layer and a brown silty clay subsoil. The underlying material is silty clay loam till. Morley soils have a low organic matter content and a high available water capacity. Surface water runoff is medium to very rapid.

Patton is a deep, moderately dark-colored soil occurring on level to very gently sloping terrace positions. If this soil is not drained, the water table is high during much of the year. Water moves through this soil at a moderate to moderately slow rate. It has a high water-holding capacity. Patton is formed from lakebed sediments.

Petrolia is a bottomland soil subject to flooding. Wetness or droughtiness are problems in some parts of the area. The soil is deep, light- to dark-colored, and low to high in natural productivity.

Proctor is a very dark prairie soil, developed from water deposited glacial outwash. It occurs on level to gently sloping areas. Water and air move freely through it and it is high in natural productivity. On the slope, this soil has good natural drainage, but requires erosion control. On the level, artificial drainage is required.

Raub is a deep, upland prairie soil usually occurring on slopes of 0% to 4%. If this soil has not been drained, the water table may be high during wet seasons. It has a high water-supplying capacity and it is highly productive when properly managed. Air and water move freely through this soil. It has formed from 0.5 to 1 m of loess over till.

Russell silt loam is an upland timber soil usually occurring on slopes from 3% to 12%. It is naturally well-drained and air, water, and roots move freely through the soil. It has a high water-supplying capacity. It has formed from 0.5 to 1 m of loess over loam-textured till which is calcareous below 1.3 to 1.6 m.

Sabina silt loam is a deep, light-colored timber soil usually occurring on slopes from 0% to 3%. Some areas may require drainage due to the seasonally high water table. Air and water move rather slowly through this soil, but it has no obstruction to deep root growth. This soil has a high water-supplying capacity. Sabina has formed in 1.3 to 1.6 m of loess over calcareous loam-textured glacial till.

Sawmill is a deep, dark-colored bottomland soil. It has a high water table during the wet seasons unless it has been artificially drained. Air, water, and roots move freely through this soil. It has a high water-

supplying capacity. Sawmill has developed in medium to heavy water deposited sediments.

Sidell is a naturally well-drained upland prairie soil usually occurring on slopes from 3% to 12%. It has a high water-supplying capacity and is highly productive when properly managed. It has formed from 0.5 to 1 m of loess over till.

Stoy silt loam is a deep, light-colored timber soil usually occurring on slopes from 1% to 4%. It has developed 1.3 to 3 m of loess over Illinoian till or 2 m of loess over bedrock. This soil may have fragipan development which restricts air and water movement and root penetration. It is imperfectly drained. Fertility is a major problem.

Starks silt loam is a deep, light-colored timber soil occurring on level to gently sloping areas. It is poorly drained, with a high water-supplying capacity. If the soil has not been drained, the water table may be high during parts of the year. The rate of water movement through the soil is rather low and the productivity is moderate. There are no obstructions in this soil which hinder deep root growth. Starks has developed in 0.6 to 1 m of silty material overlying water-deposited layers of silt, loams, sands, and occasional gravels. Gravel often occurs below the 1.5-m depth.

Strawn is a light-colored upland timber soil usually occurring on slopes ranging from 5% to 25%. It is naturally well-drained and air, water, and roots move freely through it. Its water-supplying capacity is slightly inadequate and it is moderately productive when properly managed. It is formed from calcareous loam-textured till.

Summer is a terrace and upland soil which is subject to wetness on some level areas, droughtiness, wind erosion, sandy areas, and slight to severe water erosion on gentle to moderate slopes. This soil is deep, light to dark in color and low to high in natural productivity.

Swygert is a deep, dark-colored soil with a mottled gray and brown silty clay and clay subsoil that contains some sand and pebbles. It is occasionally wet unless artificially drained. Permeability is slow and available moisture capacity is high.

Varna is a deep, dark-colored upland prairie soil developed from medium-textured material less than 0.6 m thick on silty clay loam till which becomes calcareous at less than 1 m. It is usually found on 3% to 10% slope. It is moderately slow in permeability and has good resistance to drought. Erosion is a problem on this soil.

Wakeland silt loam is a deep, dark-colored bottomland soil usually found on slopes of 0% to 1%. It is moderately permeable to water and air movement. The main problems are fertility, drainage, overflow, and weed control. This soil is highly productive under a high level of management.

Xenia silt loam is an upland timber soil usually occurring on slopes from 1% to 5%. It is moderately well-drained and is usually not wet except for short periods of heavy rainfall. Air, water, and roots move freely

through the soil. It has a high water-supplying capacity and is very productive when properly managed. Xenia has formed from 0.5 to 1 m of loess over loam-textured till which becomes calcareous at about 1.3 m.

French Creek (BB). French Creek is located within White and Edwards Counties, Illinois, and empties into the Wabash River approximately 4 km south of Grayville. French Creek flows in a general southerly direction and drains an area of approximately 5,957 ha. It is a low-gradient stream (2.66 m km^{-1}).

The major tributary of French Creek is Onion Creek, also a low-gradient stream (1.32 m km^{-1}). French Creek is an order 4 stream at its confluence with the Wabash River. The drainage pattern is trellis-like. French Creek is overdeveloped at the order 1 and order 2 levels and underdeveloped at the order 3 level. It never reaches the potential order 6 stream of a fully bifurcate dendritic drainage pattern. Morphometric data are summarized as follows:

<u>Order</u>	<u>Number Links</u>	<u>Mean Length (km)</u>	<u>Total Length (km)</u>
1	34	1.12	37.90
2	23	0.76	17.40
3	5	0.82	4.10
4	4	1.12	4.50
			Total = 63.90

Onion Creek is an order 2 stream at its confluence with French Creek.

The soil of the French Creek watershed consists predominantly of silt and sand.

Bonpas Creek (BC). Bonpas Creek is the common boundary between Edwards and Wabash Counties, Illinois. French traders named this stream *Bon Pas*, meaning "good passage" as the Indians were friendly and their trip to the trading post at Vincennes was nearly complete. It originates east of Olney in Richland County and empties into the Wabash River near Grayville. Bonpas Creek drains 66,822 ha and is 72 km long. The major tributaries of Bonpas Creek include Crooked Creek, Little Bonpas Creek, Walzer Creek, Buck Creek, Indian Creek, and Mud Creek.

Bonpas Creek is a low-gradient stream (0.2 m km^{-1}) which reaches order 5 before its confluence with the Wabash River. The drainage pattern is intermediate between a fully bifurcate dendritic pattern and a trellis pattern. Bonpas Creek is underdeveloped at the order 1, 2, and 4 levels and overdeveloped at the order 3 and 5 levels. It never reaches the potential order 10 stream of a fully bifurcate dendritic drainage pattern. Morphometric data are summarized as follows:

<u>Order</u>	<u>Number Links</u>	<u>Mean Length (km)</u>	<u>Total Length (km)</u>
1	458	1.36	622.90
2	228	0.78	177.10
3	135	0.63	84.80
4	49	0.96	47.00
5	39	1.18	46.20
			Total = 978.00

All major tributary streams are order 3 streams at their confluences with Bonpas Creek with the exception of Little Bonpas Creek, an order 4 stream.

Wisconsinan silt covers most the the Bonpas Creek watershed to a depth varying between 0.6 to 1.3 m. The creek valley is composed of relatively young alluvial material from melt waters of the Wisconsinan glacier overlying older Illinoian deposits.

Six soil associations are present, as follows: Cowden-Cisne, Hosmer-Ava-Hickory, Alford-Hickory, Carmi-Summer-Patton, Wakeland-Petrolia-Darwin, and Stoy-Bluford-Blair.

The stream has a mud bottom and is usually silt laden due to agricultural activity in the watershed. A potential source of pollution is the oil field south of Albion.

Coffee Creek (BD). Coffee Creek is located entirely within Wabash County, Illinois, and empties into the Wabash River close to Coffee Island north of Rochester, Illinois. Coffee Creek flows in a southeasterly direction and drains an area of approximately 6,216 ha. It is a low-gradient stream (1.42 m km^{-1}).

The major tributary of Coffee Creek is Sugar Creek, an order 2, medium-gradient stream (4.88 m km^{-1}). Coffee Creek is an order 4 stream at its confluence with the Wabash River. The drainage pattern is trellis-like. Coffee Creek is overdeveloped at all levels and never reaches the potential order 6 stream of a fully bifurcate dendritic drainage pattern. Morphometric data are summarized as follows:

<u>Order</u>	<u>Number Links</u>	<u>Mean Length (km)</u>	<u>Total Length (km)</u>
1	47	1.07	50.20
2	19	0.76	14.40
3	10	0.66	6.60
4	14	0.79	11.00
			Total = 82.20

Most of the channel of Coffee Creek and its tributaries has been dredged, a process which severely reduces habitat diversity. The lower-most reaches of the stream, however, remain unchannelized and flow through forest. Virtually the entire watershed of Coffee Creek is within oilfields. Thus, the potential for pollution from this source is great.

Embarras River (BE). The Embarras River originates in Champaign County and extends southeastward through Douglas, Edgar, Coles, Cumberland, Clark, Effingham, Jasper, Crawford, Richland, and Lawrence Counties, Illinois. It empties into the Wabash River north of St. Francisville. The Embarras River is approximately 211 km long and drains an area of 595,700 ha. One lake of 145 ha is located on the main stream at Charleston (Coles County).

The Embarras River is a low-gradient stream (0.37 m km^{-1}). Major tributaries of the Embarras River include Muddy Creek (1.08 m km^{-1}), Crooked Creek (2.69 m km^{-1}), Hurricane Creek (1.51 m km^{-1}), Little Embarras River (0.72 m km^{-1}), and the North Fork of the Embarras River (0.19 m km^{-1}). All but the North Fork are medium-gradient streams.

The Embarras River is an order 6 stream at its confluence with the Wabash River. The drainage pattern is intermediate between a fully bifurcate dendritic pattern and a trellis pattern. The Embarras River is underdeveloped at the order 1 and 2 levels and overdeveloped at the order 3, 4, 5, and, especially, order 6 levels. It never reaches the potential order 12 stream of a fully bifurcate dendritic drainage pattern. Morphometric data are summarized as follows:

<u>Order</u>	<u>Number Links</u>	<u>Mean Length (km)</u>	<u>Total Length (km)</u>
1	1,943	1.47	2,850.60
2	903	0.94	847.55
3	523	1.00	523.28
4	278	0.88	243.22
5	133	1.16	153.92
6	109	1.35	146.77
			Total = 4,765.34

Hurricane Creek, Crooked Creek, and the Little Embarras Creek are order 4 streams and Muddy Creek and the North Fork of the Embarras River are order 5 streams at their confluences with the Embarras River.

The soils of the Embarras River watershed were formed by Wisconsin loess varying from 60 cm to 150 cm on the uplands and from alluvial material along the floodplain. Thirteen soil associations are known from the basin including: Wakeland-Petrolia-Darwin, Carmi-Sumner-Patton, Alford-Hickory, Stoy-Bluford-Blair, Cowden-Cisne, Miami-Strawn-Camden, Drummer-Flanagan, Fincastle-Xenia, Raub-Dana, Sabina-Starks, Sawmill-Huntsville, Elliott-Swygert, and Proctor-Brenton. The properties of these soils have been described above.

Oil fields are common in the Embarras River basin downstream from Charleston and are especially common west of Robinson in Crawford County. Extraction, storage, transport, and refining operations all entail a certain risk to water quality and portions of the basin have a history of oil-related pollution.

Sugar Creek (BF). Sugar Creek is located entirely within Crawford County, Illinois, and empties into the Wabash River just southwest of Palestine,

Illinois. Sugar Creek flows generally in a southeasterly direction and drains an area of approximately 16,317 ha. It is a medium-gradient stream (2.76 m km^{-1}).

The major tributary of Sugar Creek is Lamotte Creek, also a medium-gradient stream (1.81 m km^{-1}). Sugar Creek is an order 4 stream at its confluence with the Wabash River. The drainage pattern is trellis-like. Sugar Creek is underdeveloped at the order 1 level and overdeveloped at the order 4 level. It never reaches the potential order 7 stream of a fully bifurcate dendritic drainage pattern. Most of the length of the lower half of Sugar Creek is confined within levees. Morphometric data are summarized as follows:

<u>Order</u>	<u>Number Links</u>	<u>Mean Length (km)</u>	<u>Total Length (km)</u>
1	57	1.67	95.27
2	30	1.09	32.83
3	13	1.21	15.80
4	13	0.74	9.60
			Total = 153.50

Lamotte Creek is an order 4 stream at its confluence with order 3 Sugar Creek. Thus, while Lamotte Creek has a smaller watershed than Sugar Creek, the drainage system is more fully bifurcate and reaches a higher stream order.

The soil associations of the Sugar Creek watershed are Wakeland-Petrolia-Darwin, Carmi-Sumner-Patton, and Alford-Hickory. The properties of these soils have been described above.

Raccoon Creek (BG). Raccoon Creek is located within Crawford and Clark Counties, Illinois, and empties into the Wabash River just north of Hutsonville, Illinois. Raccoon Creek flows in a southeasterly direction and drains an area of approximately 12,432 ha. It is a medium-gradient stream (2.64 m km^{-1}).

Tributaries of Raccoon Creek include the North and South Fork, both order 3 streams at their confluences with Raccoon Creek. Raccoon Creek is an order 4 stream at its confluence with the Wabash River. The drainage pattern is intermediate between a fully bifurcate dendritic pattern and a trellis pattern. Raccoon Creek is overdeveloped at the order 3 and 4 levels and never reaches the potential order 6 stream of a fully bifurcate dendritic drainage pattern. Morphometric data are summarized as follows:

<u>Order</u>	<u>Number Links</u>	<u>Mean Length (km)</u>	<u>Total Length (km)</u>
1	38	1.32	50.00
2	18	1.25	22.50
3	12	1.35	16.25
4	7	0.71	5.00
			Total = 93.75

The soil associations of the Racoon Creek watershed include Wakeland-Petrolia-Darwin, Carmi-Sumner-Patton, and Alford-Hickory. The properties of these soils have been described above.

Mill Creek (BH). Mill Creek is located entirely within Clark County, Illinois, and empties into the Wabash River just east of York. Mill Creek flows in a general southeasterly direction and drains an area of approximately 27,454 ha. It is a medium-gradient stream (1.92 m km^{-1}).

Major tributaries of Mill Creek are East Mill Creek, Hurricane Creek, and Joes Fork, all medium-gradient streams (2.18 , 4.36 , and 2.99 m km^{-1} , respectively). Joes Fork is an order 3 stream and Hurricane and East Mill Creeks are order 4 streams at their confluences with Mill Creek.

Mill Creek is an order 5 stream at its confluence with the Wabash River. The drainage pattern is trellis-like. Mill Creek is underdeveloped at all levels except the order 5 level. Order 5 is highly overdeveloped. Mill Creek never reaches the potential order 9 stream of a fully bifurcate dendritic drainage pattern. Morphometric data are summarized as follows:

<u>Order</u>	<u>Number Links</u>	<u>Mean Length (km)</u>	<u>Total Length (km)</u>
1	215	1.12	239.95
2	101	0.65	65.67
3	53	0.61	32.23
4	24	0.64	15.32
5	36	0.78	28.00
			Total = 381.17

The soil associations of the Mill Creek watershed include Wakeland-Petrolia-Darwin, Carmi-Sumner-Patton, and Alford-Hickory. These soils have been described above.

Most of the tributaries of Mill Creek flowing from the west cut steep valleys as they drop from the uplands to the floodplain of Mill Creek. These streams often have bedrock and cobble riffles, an unusual aquatic habitat in east-central Illinois. Thus, many of these streams support a diverse and uncommon biota.

Sugar Creek (BI). Sugar Creek is located entirely within Clark County, Illinois, and empties into the Wabash River approximately 2 km north of Darwin. Sugar Creek flows in a general southeasterly direction and drains an area of approximately 6,216 ha. It is a high-gradient stream (4.03 m km^{-1}).

Major tributaries of Sugar Creek include Martin Branch, Partridge Creek, and Neely Creek, also high-gradient streams (5.64 , 3.23 , and 2.98 m km^{-1} , respectively). Sugar Creek is an order 4 stream at its confluence with the Wabash River. Its major tributaries Sugar Creek, Martin Branch, and Partridge Creek are order 2 streams and Neely Creek an order 3 stream

at their respective confluences with Sugar Creek.

The drainage pattern of Sugar Creek is trellis-like, overdeveloped at the order 1 and 2 levels, and underdeveloped at the order 4 level. It never reaches the potential order 6 stream of a fully bifurcate dendritic drainage pattern. Morphometric data are summarized as follows:

<u>Order</u>	<u>Number Links</u>	<u>Mean Length (km)</u>	<u>Total Length (km)</u>
1	47	1.25	58.80
2	35	0.90	31.40
3	7	0.77	5.40
4	2	0.70	1.40
			Total = 97.00

The soil associations of the Sugar Creek watershed include Wakeland-Petrolia-Darwin, Carmi-Sumner-Patton, and Alford-Hickory. These soils have been described above.

Big Creek (BJ). Big Creek is located in Edgar and Clark Counties, Illinois, and empties into the Wabash River approximately 7 km north of Darwin. Big Creek flows in a general southeasterly direction and drains an area of approximately 24,346 ha. It is a medium-gradient stream (2.13 m km^{-1}).

The two major tributaries of Big Creek, Little Creek and West Fork of Big Creek, are high- to medium-gradient streams (2.97 and 2.16 m km^{-1} , respectively). Little Creek is an order 3 stream and West Fork an order 4 stream at their respective confluences with Big Creek.

Big Creek is an order 4 stream at its confluence with the Wabash River. The drainage pattern is trellis-like. Big Creek is overdeveloped at the order 1 level and order 4 level and never reaches the potential order 8 stream of a fully bifurcate dendritic drainage pattern. Morphometric data are summarized as follows:

<u>Order</u>	<u>Number Links</u>	<u>Mean Length (km)</u>	<u>Total Length (km)</u>
1	141	1.32	186.47
2	65	0.78	50.65
3	35	0.80	27.92
4	39	0.61	23.80
			Total = 288.84

The soils of the Big Creek watershed occur in four major associations: Hosmer-Hickory, Camden-Starks, Russell-Strawn, and Miami-Russell-Fincastle. The characteristics of these soils have been described above.

Ashmore Creek (BK). Ashmore Creek is located within Clark County, Illinois, and empties into the Wabash River approximately 4 km north of Hutton, Indiana. Ashmore Creek flows in a general southeasterly direction and

drains an area of approximately 2,072 ha. It is a high-gradient stream (2.90 m km^{-1}).

Ashmore Creek has no major tributaries and is an order 3 stream at its confluence with the Wabash River. The drainage pattern is a well-developed trellis pattern, underdeveloped at the order 1 and 2 levels and overdeveloped at the order 3 level. It never reaches the potential order 5 stream of a fully bifurcate dendritic drainage pattern. Morphometric data are summarized as follows:

<u>Order</u>	<u>Number Links</u>	<u>Mean Length (km)</u>	<u>Total Length (km)</u>
1	13	1.46	19.00
2	6	1.43	8.60
3	6	1.07	6.40
			Total = 34.00

Soil associations of the Ashmore Creek watershed include Hosmer-Hickory, Camden-Starks, Russell-Strawn, and Miami-Russell-Fincastle.

Clear Creek (BL). Clear Creek is located in Clark and Edgar Counties, Illinois, and Vigo County, Indiana. It leaves Illinois in Clark County and empties into the Wabash River just south of the Terre Haute Federal Penitentiary, Indiana. Clear Creek flows in a general southeasterly direction and drains an area of approximately 7,252 ha in Illinois. It is a high-gradient stream (3.48 m km^{-1}).

The major tributaries of Clear Creek are Mud Creek and the South Branch of Clear Creek. Mud Creek is an order 3 stream at its confluence with Clear Creek, the South Fork of Clear Creek an order 2 stream. Clear Creek is an order 4 stream at its confluence with the Wabash River. The drainage patterns are trellis-like. Clear Creek is underdeveloped at the order 3 level and overdeveloped at the order 1, 2, and 4 levels. It never reaches the potential order 6 stream of a fully bifurcate dendritic drainage pattern. Morphometric data are summarized as follows (for Illinois only):

<u>Order</u>	<u>Number Links</u>	<u>Mean Length (km)</u>	<u>Total Length (km)</u>
1	43	1.52	65.42
2	18	1.05	18.95
3	6	1.03	7.20
4	13	0.80	10.40
			Total = 101.97

The soils of the Clear Creek watershed represent four major associations: Camden-Starks, Miami-Russell-Fincastle, Hosmer-Hickory, and Russell-Strawn.

The headwaters of the Clear Creek system drain the face of the Shelbyville moraine. Thus, gradient here is high. The stream does not maintain a permanent flow until Mud Creek joins Clear Creek just upstream from the Clark-Edgar County line.

Sugar Creek (BM). Sugar Creek is located in Edgar County, Illinois, and Vigo County, Indiana. It empties into the Wabash River just south of Terre Haute, Indiana. Sugar Creek flows in a general southeasterly direction and drains an area of approximately 15,540 ha within Illinois. In the upstream portion of the drainage basin, Sugar Creek has a rather steep gradient and has carved a deep valley through the Shelbyville moraine. On the average, however, Sugar Creek is a medium-gradient stream (1.89 m km^{-1}).

The major tributary of Sugar Creek is Little Sugar Creek, an order 3 stream, which flows through Indiana for most of its course. Sugar Creek is an order 4 stream at its confluence with the Wabash River. The drainage pattern is a well-developed trellis pattern. Sugar Creek is overdeveloped at all levels and never reaches the potential order 6 stream of a fully bifurcate dendritic drainage pattern. Morphometric data (for Illinois only) are summarized as follows:

<u>Order</u>	<u>Number Links</u>	<u>Mean Length (km)</u>	<u>Total Length (km)</u>
1	44	1.86	82.00
2	21	1.03	21.57
3	18	0.95	17.18
			Total = 120.75

A series of dams in the headwaters of Sugar Creek has produced Twin Lakes on the north edge of Paris, Illinois. These lakes have a total surface area of approximately 66 ha. Effluent from the Paris wastewater treatment plant enters Sugar Creek immediately downstream from the dam of East Lake and has caused a number of fish kills in the creek.

Brouilletts Creek (BN). Brouilletts Creek is located in Edgar and Vermilion Counties, Illinois, and Vermillion County, Indiana. It empties into the Wabash River approximately 3 km east of Shepardsville, Indiana. Brouilletts Creek flows in a general southeasterly direction and drains an area of 79,521 ha in Illinois and Indiana. Of these, 75,151 ha lie in Illinois. Brouilletts Creek is a low-gradient stream (0.74 m km^{-1}).

The major tributaries of Brouilletts Creek are its North and South Forks, both medium-gradient streams (1.19 and 2.06 m km^{-1} , respectively). Brouilletts Creek is an order 5 stream at its confluence with the Wabash River. The South Fork is an order 3 and the North Fork an order 4 stream at their respective confluences with Brouilletts Creek. The drainage pattern is intermediate between a fully bifurcate dendritic pattern and a trellis pattern. Brouilletts Creek is overdeveloped at all levels, except the order 5 level. It never reaches the potential order 7 stream of a fully bifurcate dendritic drainage pattern. Morphometric data are summarized as follows (for Illinois only):

<u>Order</u>	<u>Number Links</u>	<u>Mean Length (km)</u>	<u>Total Length (km)</u>
1	89	2.24	199.17
2	45	1.90	85.42
3	22	1.82	40.00

<u>Order</u>	<u>Number Links</u>	<u>Mean Length (km)</u>	<u>Total Length (km)</u>
4	18	1.57	28.33
5	2	1.87	3.75
			Total = 356.67

Four major soil associations occur in the watershed, including Drummer-Flanagan, Miami-Russell-Fincastle, Flanagan-Drummer, and Russell-Strawn. The properties of these soils have been summarized above.

The Brouilletts Creek watershed is separated from the Little Vermilion River watershed to the north by a moraine of the Wisconsinan glaciation. The general elevation of the land south of the moraine is approximately 7 m lower than that north of the moraine.

Little Vermilion River (BO). The Little Vermilion River flows through Champaign and Vermilion Counties, Illinois, and Vermillion County, Indiana. It enters the Wabash River near Newport, Indiana. The Little Vermilion River flows in an easterly direction and drains an area of approximately 30,303 ha. It is a low-gradient stream (0.53 m km^{-1}).

The Little Vermilion River receives numerous tributaries flowing in from the moraine to the south. Most of these are small order 1 and 2 streams. The Little Vermilion River is an order 4 stream at its confluence with the Wabash River. The drainage pattern is intermediate between a fully bifurcate dendritic pattern and a trellis pattern. The Little Vermilion River is overdeveloped at all levels, especially the order 4 level. It never reaches the potential order 7 stream of a fully bifurcate dendritic drainage pattern. Morphometric data (for Illinois only) are summarized as follows:

<u>Order</u>	<u>Number Links</u>	<u>Mean Length (km)</u>	<u>Total Length (km)</u>
1	70	1.86	130.28
2	34	1.49	50.73
3	17	1.76	30.00
4	17	0.98	16.67
			Total = 227.68

The soil associations present in the Little Vermilion River basin include Drummer-Flanagan, Catlin-Sidell, Fincastle-Russell, and Lawson-Strawn. The properties of these soils have been discussed above.

Most of the upstream portion of the Little Vermilion River has developed on a flat glacial lake bed north of a moraine of the Wisconsinan glaciation. Thus, tributaries from the south have higher gradients than those from the north. The Little Vermilion River does not develop much of a valley until it reaches the vicinity of Georgetown.

Vermilion River (BP). The Vermilion River originates in Ford and Iroquois

Counties, Illinois. The confluence of the Middle and Salt Fork Rivers in Catlin Township, Champaign County, Illinois, forms the Vermilion River proper. A third major branch, the North Fork, joins the river south of Danville. The Vermilion River flows through Vermilion County and empties into the Wabash River near Cayuga, Vermillion County, Indiana. The Vermilion River flows in a general southeasterly direction and drains an area of approximately 340,067 ha. It is a low-gradient stream (0.61 m km^{-1}).

The major tributaries of the Vermilion River, the Middle Fork, Salt Fork, and North Fork Rivers, are low-gradient streams (0.78 , 0.45 , and 0.96 m km^{-1} , respectively). The drainage pattern is intermediate between a fully bifurcate dendritic pattern and a trellis pattern. The Vermilion River in Illinois is overdeveloped at all levels, except the order 6 level. It never reaches the potential order 10 stream of a fully bifurcate dendritic drainage pattern. The Middle Fork River is an order 4 stream and both the Salt Fork and North Fork Rivers are order 5 streams at their confluences with the Vermilion River. Morphometric data are summarized for the Vermilion River as follows (for Illinois only):

<u>Order</u>	<u>Number Links</u>	<u>Mean Length (km)</u>	<u>Total Length (km)</u>
1	595	1.92	1,144.37
2	273	1.20	327.73
3	139	1.32	183.42
4	117	1.32	154.62
5	47	2.10	98.80
6	12	1.87	22.40
			Total = 1,931.34

The soils of the Vermilion River basin represent nine major associations: Drummer-Flanagan, Catlin-Sidell, Brenton-Drummer, Ashkum-Elliott-Andres, Elliott-Varna, Bryce-Swygert, Fincastle-Russell, Blount-Morley, and Lawson-Strawn. The properties of these soils have been discussed above. It is significant to note that these glacial soils have a high carbonate-bicarbonate level. Thus, the waters of the Vermilion River are well-buffered. The extensive strip mining activities have not produced acid mine pollution in the watershed, probably because of this buffering capacity.

Little Wabash River (C). The Little Wabash River originates near Mattoon, Coles County, Illinois, in the area of the terminal moraine of the Wisconsin glacier. Following a southeasterly meandering course, the river flows through portions of nine Illinois counties: Clay, Cumberland, Edwards, Effingham, Gallatin, Jasper, Richland, Wayne, and White. The Little Wabash River empties into the Wabash River 3 km south of New Haven in White County. The main stream is approximately 384 km long and drains an area of 1,100,750 ha.

The principal tributary in the Little Wabash drainage basin is Skillet Fork. This stream originates in Marion County and empties into the Little Wabash approximately 4 km northeast of Carmi. The other major tributaries are the Fox River and Muddy Creek. All three streams have low gradients.

The Little Wabash River is an order 7 stream at its confluence with the Wabash River. Skillet Fork is an order 6, the Fox River an order 5, and Muddy Creek an order 4 stream at their respective confluences with the Little Wabash River. The drainage pattern of the Little Wabash system is intermediate between a fully bifurcate dendritic pattern and a trellis pattern. The Little Wabash is overdeveloped at all levels, except the order 6 level and never reaches the potential order 12 stream of a fully bifurcate dendritic drainage pattern. Morphometric data are summarized as follows:

<u>Order</u>	<u>Number Links</u>	<u>Mean Length (km)</u>	<u>Total Length (km)</u>
1	2,382	1.55	3,682.50
2	1,186	0.95	1,128.48
3	637	0.93	595.45
4	287	1.11	318.07
5	147	1.43	209.65
6	55	1.76	97.08
7	77	0.96	73.72
			Total = 6,104.95

The soils of the Little Wabash River watershed were formed by Illinoian glacial drift and windblown silt of the Wisconsinan age. The river valley is composed of relatively young alluvial matter from meltwaters of the Wisconsinan glacier. Three major soil associations occur in the watershed, including: Cowden-Cisne, Hosmer-Ava-Hickory, and Wakeland-Petrolia-Darwin.

METHODS

DESCRIPTION OF THE STUDY AREA-STREAM ORDER

Stream order here is based upon the Horton-Strahler classification (Horton 1945; Strahler 1954, 1957). In this system, ultimate unbranched tributary streams are defined as order 1 streams. Whenever two streams of equal order join, the resulting stream is designated as the next higher order. Thus, two order 1 streams join to make an order 2 stream, two order 2 streams make an order 3 stream, and so forth. Stream order is not affected by the confluence of a lower order stream. A stream link is defined as a reach of stream from its source to its first confluence with another stream or the reach of stream from one confluent stream to the next confluent stream. Data were derived from U. S. Geological Survey quadrangle maps with scales of 1:24,000 and 1:62,000. Morisawa (1957) determined that such maps are sufficiently accurate to depict virtually all order 1 streams.

In a fully bifurcate dendritic drainage net, each order 1 link joins with another to form an order 2 stream. Each order 2 link then joins with another to form an order 3 stream. This pattern continues until maximum stream order is reached, here equal to the characteristic, or integral portion of $1 + \log_2$ of the number of order 1 links. When the number of order 1 links is not an even power function of 2, the "extra" order 1 links appear as the mantissa of the base 2 logarithm. Big Creek would be an order 8 stream if the drainage net were of the fully bifurcate dendritic pattern. The stream would then have 141 order 1 links, 70 order 2 links, 35 order 3 links, 17 order 4 links, 8 order 5 links, 4 order 6 links, 2 order 7 links, and 1 order 8 link. It may be seen that Big Creek approaches this closely for orders 2 and 3. Big Creek differs more for order 1 links (high) and substantially for order 4 links (high). Hence, Big Creek is overdeveloped at the order 1 and, especially, order 4 levels. The stream never reaches the potential order 8 level. In fact, order 5, 6, 7, and 8 links are all absent.

Trellis drainage nets are characteristic of long, narrow valleys where numerous small streams flow down from the valley walls to join the principal stream following the thalweg of the valley. In an optimum trellis system, order 1 streams only flow into the principal stream. The confluence of the first two order 1 streams would produce an order 2 stream. All remaining influent order 1 streams would increase the number of order 2 links, but not the order of the principal stream.

FIELD SAMPLING

Benthic macroinvertebrate samples were collected in the Wabash River basin during autumn, 1976, and spring and summer, 1977. Qualitative samples from stations were taken using a combination of techniques including benthic buckets equipped with No. 30 mesh screen bottoms, fine-mesh aquatic D-frame nets, and hand picking. Ponar grab samples were taken from Wabash River sites and at other large-river sites plate samplers were exposed for

several weeks. All microhabitats present, including leaf packets, rocks, logs, and undercut banks were sampled for approximately 0.5 to 2 man-hours. All organisms, except molluscs, were preserved in Kahles fluid in the field. Molluscs were preserved in 95% ethanol. Sampling continued until the investigators believed that the sample was representative of a total assessment of the area and that further sampling would not add significant additional taxa. Similar habitats, if available, were examined both upstream and downstream of point sources. In addition, blacklight trap samples were taken from representative areas to assist in making immature and adult associations for later species identifications and subsequent reporting.

Field identifications were made to the lowest certain taxonomic level. Classification of identified organisms included assignment to one of four categories contained in a tolerance status list furnished by the Illinois Environmental Protection Agency (IEPA). These categories are summarized as:

intolerant - organisms whose life cycles are dependent upon a narrow range of ideal environmental conditions.

moderate - organisms lacking the extreme sensitivities to environmental stress of intolerant species, but unable to adapt to severe environmental degradation.

facultative - organisms able to survive over a wide range of environmental conditions and possessing a greater degree of tolerance to adverse conditions than either intolerant or moderate species. Some of the macroinvertebrates which utilize surface air for respiration are classified as facultative.

tolerant - organisms able to survive over a wide range of environmental extremes, including water of extremely poor quality.

Preliminary station classifications were assigned in the field to determine whether further upstream and/or downstream sampling was necessary to delineate zones of degradation. Station classifications followed the system developed by the IEPA as outlined below:

balanced environment - intolerant organisms numerically important in both number and diversity. For a station to be classified as balanced, intolerant organisms comprised more than 50% of the specimens collected at a site while moderate, facultative, and tolerant organisms comprised less than 50%.

unbalanced environment - intolerant organisms numerically less important than other forms combined, but combined with moderate forms, usually outnumber tolerant forms. For a station to be classified as unbalanced, organisms classified as moderate, facultative, and tolerant comprised more than 50% of the sample while intolerant organisms comprised more than 10% but less than 50% of the sample.

semi-polluted environment - intolerant organisms few or absent with moderate, facultative, and tolerant organisms predominating. For a station to be classified as semi-polluted, intolerant organisms comprised 10% or less of the organisms collected while moderate, facultative, and tolerant organisms combined comprised 90% or more of the sample.

polluted environment - generally only tolerant organisms present although some facultative forms may be observed. For a station to be classified as polluted either virtually all organisms collected were classified as tolerant or no organisms were present.

POINT SOURCES

Point sources in the Wabash River basin are summarized in Appendix 1. Map numbers (from Appendix 4), Illinois Natural History Survey (INHS) point source numbers, point source names, stream codes and IEPA point source map numbers, comments (if applicable), and upstream (A-1) and downstream (C-1) sampling sites (if appropriate) are included.

LOCATIONS OF SAMPLING SITES

Descriptions of the stream sites sampled in the Wabash River basin are contained in Appendix 2. Stream code and station number, location, date sampled, and stream classification assigned are included.

Legal descriptions were obtained from U. S. Geological Survey quadrangle maps with scales of either 1:24,000 or 1:62,500. Subdivisions of sections were made using a Geologist's Friend. When sections were not exactly one mile square, the section was divided into quarters of quarters of quarters based upon its actual size rather than by aligning the Geologist's Friend on the lower right corner of the section.

An apostrophe (') by the stream code and station number in both Appendix 2 and 3 indicates the results of plate samplers. This designation of plate samplers was not used on the maps in Appendix 4. Unless otherwise indicated, all samples were taken upstream of bridges. Distances from towns were calculated from the approximate "center" of the town as it appeared on the Department of Transportation, Office of Planning, Programming, and Environmental Science general highway maps for Illinois counties ($\frac{1}{2}$ inch to 1 mi series).

Sites where the stream was reduced to small, discontinuous pools or dry are included in Appendix 2.

INVENTORY TABLE

The benthic macroinvertebrate data from stream sampling stations are summarized in Appendix 3 as the highest taxonomic category which did

not alter the tolerance status, the number of organisms collected and/or estimated (*e. g.*, *Physa* or Chironomidae at some sites), total numbers observed for each tolerance status (intolerant, moderate, facultative, and tolerant), and the stream classification assigned. Tolerance status information was unavailable for several taxa. These were reported as unclassified in Appendix 3. An apostrophe (') by a station number indicates the result of plate samples.

MAPS

Appendix 4 contains maps of the Wabash River basin drawn using the Department of Transportation, Office of Planning, Programming, and Environmental Science general highway maps for Illinois counties ($\frac{1}{2}$ inch to 1 mi series) as base maps. Maps were checked for consistency and accuracy against the corresponding U. S. Geological Survey quadrangle 1:24,000 and 1:62,500 scale maps.

Segment boundary lines illustrated as a border of the maps in Appendix 4 were taken from IEPA maps illustrating point sources and water quality monitoring stations.

Symbols used on the prepared maps include:

solid circles - location of stream sample;

boxes - stream code, station number, and stream classification (balanced, B; unbalanced, UB; semi-polluted, SP; and polluted, P);

solid triangles - point sources;

open circles - point source number corresponding to INHS point source number (from Appendix 1).

STREAM CONDITIONS DETERMINED FROM BENTHIC MACROINVERTEBRATE SAMPLING

INTRODUCTION

The inventory table presenting the results of the benthic macroinvertebrate sampling at 882 stream sites in the Wabash River basin (Appendix 3) is summarized in Table 2 to illustrate the general distribution and relative abundance of organisms among the various stream systems. These data are further analyzed in Table 3 to describe the individual stream systems by the number of stations sampled, stream classifications, distributions of organisms among the four tolerance statuses, the predominant organisms, and the number and type of point sources sampled (wastewater treatment or industrial).

It is apparent from Tables 2 and 3 that the predominant stream classification was unbalanced with 48% of all stations sampled. The semi-polluted category ranked second in overall abundance, comprising 40% of all stations sampled. Balanced and polluted classifications each were 6% of the total number of stations sampled. Several sites were classified as dry even though some organisms were collected. These sites, comprising less than 1% of the total number of stations sampled, had all been dry prior to heavy rainstorms sometime within the 24-hour period prior to sampling. These stations were not classified.

Sampling in this watershed was conducted in late summer through early autumn, 1976 (upper Wabash River basin or B-prefix stations) and spring through summer, 1977 (Little Wabash River basin or C-prefix stations). Low water levels from the drought conditions of 1976 very likely contributed to the number of semi-polluted stations observed. As sampling progressed in the upper Wabash River basin, small order 1 streams were virtually all discontinuous or dry. In some areas this low water persisted downstream for considerable distances. Throughout the Wabash River valley in Illinois air temperatures were approximately 1 to 3 °F below normal for 1976 and precipitation ranged from approximately 5 inches below normal (Urbana, Champaign County) to 15 inches below normal (Albion, Edwards County) (Table 4).

The water regime for 1977 was more normal. While precipitation was slightly below normal during July at most reporting sites in the basin, it was normal to slightly above normal for August. Consequently, climatological conditions were more nearly normal during the sampling in the Little Wabash River basin than for the upper Wabash River basin.

This difference in water regime between the 1976 and 1977 sampling seasons had little apparent overall effect as far as stream classifications. While there may have been some slight differences in station classifications from unbalanced to semi-polluted, in general both the upper Wabash River drainage and the Little Wabash River basin were very similar in percent occurrence of the various station classifications. In both basins unbalanced and semi-polluted classifications occurred in approximately equal numbers within each basin and the percentages were virtually identical

Table 2. A summary of the composition and abundance of benthic macroinvertebrates and stream classifications by stream system in the Wabash River basin.

TAXA	WARASH RIVER (B)	FRENCH CREEK (BB)	BONPAS CREEK (BC)	COFFEE CREEK (BD)	EMBARRAS RIVER (BE)	SUGAR CREEK (BF)	RACCOON CREEK (BG)	MILL CREEK (BH)	SUGAR CREEK (BI)
INTOLERANT									
Amphipoda	3	-	2	-	1,436	118	3	90	-
Calopterygidae	-	3	73	18	97	3	-	13	-
Decapoda	-	1	80	17	714	252	47	181	27
Ephemeroptera	11	6	15	3	2,161	5	36	183	1
Goniobasis	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	1	-	3	-
Plecoptera	-	-	-	-	175	7	18	72	-
Trichoptera	1	-	-	-	31	-	-	-	-
Unionidae	-	-	-	-	23	-	-	-	-
MODERATE									
Anisoptera	-	1	18	-	386	2	-	9	-
Coenagrionidae	4	31	2	-	1,679	15	-	29	-
Ephemeroptera	31	-	45	-	19	-	-	-	-
Hydropsychidae	54	-	1	-	1,021	-	-	71	-
Isopoda	-	13	242	12	533	247	1	-	-
Megaloptera	-	-	-	-	10	-	-	-	-
Palaemonidae	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	339	-	-	-	-
Sphaeriidae	11	-	71	-	743	33	-	-	-
Tricladida	1	-	-	-	394	1	-	2	-
FACULTATIVE									
Bryozoa (colonies)	-	-	-	-	+	-	-	+	-
Caenidae	9	14	11	3	663	-	-	4	-
Coleoptera	10	26	114	7	2,014	102	30	122	6
Ephemeridae	-	-	-	-	-	-	-	-	-
Ferriassia	-	-	-	-	54	-	-	5	3
Heteroptera	20	18	191	22	6,030	226	100	268	135
Nematomorpha	-	-	-	-	34	-	-	2	-
Porifera	-	-	-	-	-	-	-	-	-
Snails (non-Physa)	2	-	1	-	320	12	-	6	-
TOLERANT									
Chironomidae	550	2	61	5	5,695	812	89	837	53
Diptera (other)	25	1	6	-	631	250	7	535	-
Hirudinea	-	-	-	-	50	3	-	-	2
Oligochaeta	283	1	2	-	1,847	185	-	10	-
Physa	3	53	71	8	2,118	198	22	445	4
TOTAL NUMBER OF ORGANISMS									
Total Number Unclassified	1,021	170	1,007	95	29,217	2,473	353	2,890	231
Total Number Intolerant	3	0	1	0	0	1	0	3	0
Total Number Moderate	15	10	170	38	4,637	386	104	542	28
Total Number Facultative	101	45	379	12	5,124	298	1	111	0
Total Number Tolerant	41	58	317	32	9,115	340	130	407	144
	861	57	140	13	10,341	1,448	118	1,827	59
STREAM CLASSIFICATIONS									
Balanced	0	0	0	0	21	3	1	3	0
Unbalanced	0	0	6	2	105	12	3	21	1
Semi-Polluted	8	2	3	0	64	7	2	3	1
Polluted	0	0	0	0	14	4	0	1	0

TAXA	BIG CREEK (BJ)	ASHMORE CREEK (BK)	CLEAR CREEK (BL)	SUGAR CREEK (BM)	BROUILLETT'S CREEK (BN)	LITTLE VERMILION RIVER (BO)	VERMILION RIVER (BP)	SMALL NAMED TRIBUTARIES (BZ)	UNNAMED TRIBUTARIES (BZ)
INTOLERANT									
Amphipoda	17	-	51	63	153	59	533	61	17
Calopterygidae	-	-	-	8	13	5	130	12	2
Decapoda	113	21	77	3	10	12	90	153	34
Ephemeroptera	278	-	70	51	117	23	1,940	79	16
<i>Goniobasys</i>	-	-	-	-	-	-	90	-	-
Hydracarina	-	-	-	-	-	-	-	1	-
Plecoptera	-	-	-	-	-	-	-	-	-
Trichoptera	3	-	1	2	-	-	133	-	-
Unionidae	-	-	-	-	-	3	28	-	1
MODERATE									
Anisoptera	25	1	5	3	12	25	310	34	2
Coenagrionidae	12	-	32	35	224	46	1,678	53	1
Ephemeroptera	-	-	-	-	-	3	363	2	-
Hydropsychidae	112	-	1	154	106	90	1,122	6	83
Isopoda	4	-	-	2	-	1	444	85	58
Megaloptera	-	-	-	-	1	-	16	3	-
Palaeonidae	-	-	-	-	-	-	-	-	3
Simuliidae	11	-	-	46	2	1	177	106	48
Sphaeriidae	10	9	-	5	65	25	386	15	1
Tricladida	8	-	-	6	31	14	1,074	-	-
FACULTATIVE									
Bryozoa (colonies)	-	-	-	-	-	-	36	+	-
Caenidae	-	-	-	9	11	5	186	10	3
Coleoptera	141	2	47	68	145	186	1,428	175	28
Ephemeridae	-	-	-	-	-	-	-	-	-
<i>Ferriassia</i>	-	-	1	5	3	3	281	4	-
Heteroptera	295	14	57	148	181	133	3,052	281	86
Nematomorpha	-	-	1	-	-	3	29	-	-
Porifera	-	-	-	-	-	-	-	+	-
Snails (non- <i>Physa</i>)	5	1	21	-	17	8	134	21	-
TOLERANT									
Chironomidae	1,330	108	91	884	373	180	2,732	323	12
Diptera (other)	19	-	10	6	4	4	444	54	124
Hirudinea	3	-	-	6	5	2	55	2	-
Oligochaeta	13	-	8	38	15	36	1,430	104	1
<i>Physa</i>	300	118	68	106	161	156	1,398	250	16
TOTAL NUMBER OF ORGANISMS									
Total Number Unclassified	2,699	274	541	1,648	1,649	1,023	19,721	1,834	536
Total Number Intolerant	0	0	0	0	0	0	2	0	0
Total Number Moderate	411	21	199	127	293	102	2,944	306	70
Total Number Facultative	182	10	38	251	441	205	5,570	304	196
Total Number Tolerant	441	17	127	230	357	338	5,146	491	117
	1,665	226	177	1,040	558	378	6,059	733	153
STREAM CLASSIFICATION									
Balanced	4	0	2	0	0	0	9	1	1
Unbalanced	14	1	6	4	10	6	54	16	2
Semi-Polluted	1	1	0	8	5	5	78	8	3
Polluted	2	0	0	0	0	3	12	0	0

TAXA	LITTLE WABASH RIVER (C)		SKILLET FORK (CA)	BIG CREEK (CB)	POND CREEK (CC)	ELM RIVER (CD)	VILLAGE CREEK (CE)	POND CREEK (CF)	CLEAR CREEK (CG)	SUGAR CREEK (CH)	FOX RIVER (CH)
INTOLERANT											
Amphipoda	176		655	-	-	141	-	2	17		83
Calopterygidae	-		4	4	-	33	1	6	2		-
Decapoda	84		304	2	10	28	1	2	28		24
Ephemeroptera	286		167	13	33	56	1	52	9		22
<i>Goniobasis</i>	-		-	-	-	-	-	-	-		-
Hydracarina	-		38	-	-	-	-	-	-		-
Plecoptera	2		-	-	-	1	-	-	-		-
Trichoptera	8		2	-	-	-	-	-	-		-
Unionidae	6		27	-	-	-	-	-	1		-
MODERATE											
Anisoptera	7		78	8	9	36	3	6	16		7
Coenagrionidae	95		798	81	57	218	21	20	66		31
Ephemeroptera	-		12	-	-	-	1	-	-		1
Hydropsychidae	384		117	-	1	56	-	-	-		2
Isopoda	5		119	22	7	79	2	40	11		31
Megaloptera	4		22	-	-	-	-	-	-		-
Palaeomonidae	76		2	-	-	32	-	-	-		-
Simuliidae	-		22	-	-	-	-	-	-		-
Sphaeriidae	36		154	-	-	137	10	10	41		24
Tricladida	3		1	-	-	-	-	-	-		-
FACULTATIVE											
Bryozoa (colonies)	-		+	-	-	-	-	-	-		-
Caenidae	122		740	22	8	103	26	8	57		55
Colcoptera	258		770	189	83	372	72	95	156		71
Epimeridae	-		-	-	-	-	-	-	-		-
<i>Ferrissia</i>	4		5	-	-	1	-	-	-		-
Heteroptera	322		1,534	54	15	344	43	102	98		171
Nematomorpha	-		1	-	-	-	-	-	-		-
Porifera	-		-	-	-	-	-	-	-		-
Snails (non-Physa)	11		163	-	1	30	1	-	-		55
TOLERANT											
Chironomidae	309		1,065	65	81	1,198	16	27	42		278
Diptera (other)	27		127	13	4	24	3	21	8		2
Ilirudinea	8		18	-	-	11	-	5	1		1
Oligochaeta	126		279	73	1,240	236	2	31	1		183
<i>Physa</i>	41		1,032	81	140	408	33	32	80		129
TOTAL NUMBER OF ORGANISMS											
	2,441		8,256	627	1,689	3,598	236	459	634		1,170
Total Number Unclassified	0		0	0	0	0	0	0	0		0
Total Number Intolerant	562		1,197	19	43	313	3	62	57		129
Total Number Moderate	651		1,325	111	74	558	37	76	134		96
Total Number Facultative	717		3,213	265	107	850	142	205	311		352
Total Number Tolerant	511		2,521	232	1,465	1,877	54	116	132		593
STREAM CLASSIFICATION											
Balanced	2		7	0	0	0	0	0	0		0
Unbalanced	16		58	0	2	15	0	1	5		9
Semi-Polluted	5		50	6	3	18	4	4	5		7
Polluted	0		1	0	2	1	0	0	0		2
Dry	0		4	0	0	0	0	0	0		1

TAXA	HOG RUN CREEK (CI)	BIG MUDDY CREEK (CJ)	PANTHER CREEK (CK)	DISMAL CREEK (CM)	LUCAS CREEK (CN)	BISHOP CREEK (CO)	SALT CREEK (CP)	FULPER CREEK (CQ)	BIG CREEK (CR)
INTOLERANT									
Amphipoda	-	167	34	26	9	2	5	10	61
Calopterygidae	-	-	-	-	-	-	-	-	-
Decapoda	(1)	69	3	16	9	11	58	8	19
Ephemeroptera	-	35	2	4	-	1	-	-	10
Gonolobas	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	-	-	-
MODERATE									
Anisoptera	-	21	6	-	9	-	4	1	2
Coenagrionidae	-	96	17	4	1	9	10	6	102
Ephemeroptera	-	-	-	-	1	-	-	-	-
Hydropsychidae	-	22	-	-	-	-	7	2	2
Isopoda	-	10	-	9	1	1	7	-	3
Megaloptera	-	2	-	-	-	-	-	-	-
Palaemonidae	-	8	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	-	6	-	7
Sphaeriidae	-	65	-	4	2	54	19	1	-
Tricladida	-	-	-	-	-	1	-	-	-
FACULTATIVE									
Bryozoa (colonies)	-	+	-	-	-	+	+	-	-
Cuonidae	-	189	40	46	20	72	79	31	72
Colcoptera	-	101	4	16	3	23	33	17	22
Ephemeridae	-	-	-	-	-	-	-	-	-
Ferrissia	-	-	-	-	-	-	4	2	4
Heteroptera	(11)	235	2	19	12	33	94	29	34
Nematomorpha	-	-	-	-	-	-	1	-	1
Porifera	-	-	-	-	-	-	-	-	-
Snails (non-Physa)	-	25	-	1	-	-	-	-	5
TOLERANT									
Chironomidae	-	317	7	50	28	122	616	25	229
Diptera (other)	-	46	-	13	-	2	15	1	127
Ilirudinea	-	9	-	2	1	2	1	-	-
Oligochaeta	-	71	-	1	-	6	93	1	45
Physa	(5)	334	8	4	4	67	170	17	231
TOTAL NUMBER OF ORGANISMS									
Total Number Unclassified	(17)	1,822	123	215	100	406	1,227	151	976
Total Number Intolerant	1	0	0	0	0	0	0	0	0
Total Number Moderate	0	271	39	46	18	14	68	18	90
Total Number Facultative	11	224	23	17	14	65	53	10	116
Total Number Tolerant	5	550	46	82	35	128	211	79	138
		777	15	70	33	199	895	44	632
STREAM CLASSIFICATION									
Balanced	0	0	0	0	0	0	0	0	0
Unbalanced	0	15	1	3	1	0	4	1	1
Semi-Polluted	0	9	0	0	1	6	8	2	5
Polluted	0	0	0	0	0	0	2	0	1
Dry	1	0	0	0	0	1	0	0	0

TAXA	GREEN CREEK (CS)	WEST BRANCH (CT)	RUSH CREEK (CU)	SMALL DIRECT TRIBUTARIES (CZ)
INTOLERANT				
Amphipoda	7	8	6	69
Calopterygidae	-	-	-	6
Decapoda	24	50	30	108
Ephemeroptera	9	21	-	107
Goniobasis	-	-	-	-
Hydracarina	-	-	-	-
Plecoptera	-	8	-	-
Trichoptera	-	-	-	-
Unionidae	-	-	-	7
MODERATE				
Anisoptera	-	-	-	24
Coenagrionidae	3	-	2	163
Ephemeroptera	-	-	-	1
Hydropsychidae	-	2	-	7
Isopoda	-	4	-	61
Megaloptera	-	-	-	-
Palaemonidae	-	-	-	-
Simuliidae	-	-	-	6
Sphaeriidae	-	-	-	72
Tricladida	-	-	-	-
FACULTATIVE				
Bryozoa (colonies)	-	-	-	-
Caenidae	17	26	9	306
Coleoptera	16	38	12	516
Ephemeridae	-	-	-	-
Ferriassia	-	5	-	-
Heteroptera	13	52	48	436
Nematomorpha	-	-	-	1
Porifera	-	-	-	23
Snails (non-Physa)	-	-	-	-
TOLERANT				
Chironomidae	54	10	19	464
Diptera (other)	2	-	5	308
Hirudinea	1	-	-	10
Oligochaeta	-	-	1	338
Physa	33	46	66	418
TOTAL NUMBER OF ORGANISMS				
Total Number Unclassified	179	270	198	3,451
Total Number Intolerant	0	0	0	0
Total Number Moderate	40	87	36	297
Total Number Facultative	3	6	2	334
Total Number Tolerant	46	121	69	1,282
	90	56	91	1,538
STREAM CLASSIFICATION				
Balanced	0	1	0	0
Unbalanced	2	4	2	14
Semi-Polluted	0	0	0	21
Polluted	0	0	0	2

Table 3. A summary by stream system of the number of stations sampled, station classifications, distributions of organisms among the four tolerance statuses, predominant organisms, and number and type of point sources sampled in the Wabash River basin.

STREAM SYSTEM ²	STREAM CODE	NUMBER STATIONS SAMPLED	STATION CLASSIFICATION				ORGANISMS					POINT SOURCES ¹ NUMBER TYPE	
			NUMBER OF STATIONS (% TOTAL STATIONS)				% TOTAL						
			B	UB	SP	P	I	M	F	T	TOTAL NUMBER		PREDOMINANT (% TOTAL)
Wabash River	B	8	0(0)	0(0)	8(100)	0(0)	2	10	4	84	1,021	Chironomidae (54)	5 WT 3 IND
French Creek	BB	2	0(0)	0(0)	2(100)	0(0)	6	26	34	34	170	<i>Physa</i> Coenagrionidae (18) (31)	
Bonpas Creek	BC	9	0(0)	6(67)	3(33)	0(0)	17	38	31	14	1,007	Isopoda (24) Heteroptera (19)	5 WT
Coffee Creek	BD	2	0(0)	2(100)	0(0)	0(0)	40	13	33	14	95	Heteroptera (23)	

Stream System ²	Stream Code	Number Stations Sampled	Station Classification				% Total				Organisms		Predominant (% Total)	Point Sources ¹	
			Number of Stations		(% Total Stations)						Total Number			Number	Type
			B	UB	SP	P	I	M	F	T					
Wabash River	B	8	0(0)	0(0)	8(100)	0(0)	2	10	4	84	1,021	Chironomidae	(54)	5	WT
French Creek	BB	2	0(0)	0(0)	2(100)	0(0)	6	26	34	34	170	Physa Coenagrionidae	(31) (18)	3	IND
Bonpas Creek	BC	9	0(0)	6(67)	3(33)	0(0)	17	38	31	14	1,007	Isopoda Heteroptera	(24) (19)	5	WT
Coffee Creek	BD	2	0(0)	2(100)	0(0)	0(0)	40	13	33	14	95	Heteroptera	(23)		
Embarras River	BE	204	21(10)	105(52)	64(31)	14(7)	16	18	31	35	29,217	Heteroptera Chironomidae	(21) (19)	42	WT
Sugar Creek	BF	26	3(12)	12(46)	7(27)	4(15)	16	12	14	58	2,473	Chironomidae	(33)	4	WT
Raccoon Creek	BG	6	1(17)	3(50)	2(33)	0(0)	29	1	37	33	353	Heteroptera Chironomidae	(28) (25)	1	WT
Mill Creek	BH	28	3(11)	21(75)	3(11)	1(3)	19	4	14	63	2,890	Chironomidae Diptera (other)	(29) (19)	3	WT
Sugar Creek	BI	2	0(0)	1(50)	1(50)	0(0)	12	0	62	26	231	Heteroptera	(58)		
Big Creek	BJ	24	4(17)	14(58)	4(17)	2(8)	15	7	16	62	2,699	Chironomidae	(49)	3	WT
Ashmore Creek	BK	2	0(0)	1(50)	1(50)	0(0)	8	4	6	82	274	Physa Chironomidae	(43) (39)		
Clear Creek	BL	8	2(25)	6(75)	0(0)	0(0)	37	7	23	33	541	Chironomidae	(17)		
Sugar Creek	BM	12	0(0)	4(33)	8(67)	0(0)	8	15	14	63	1,648	Chironomidae	(54)	3	WT
Brouilletts Creek	BN	15	0(0)	10(67)	5(33)	0(0)	18	27	21	34	1,649	Chironomidae Coenagrionidae	(23) (14)	2	IND
Little Vermilion River	BO	14	0(0)	6(43)	5(36)	3(21)	10	20	33	37	1,023	Coleoptera Chironomidae	(18) (18)	1	WT
Vermilion River	BP	153	9(6)	54(35)	78(51)	12(8)	15	28	26	31	19,721	Heteroptera Chironomidae	(15) (14)	21	WT
Small Named Tributaries	BZ_	25	1(4)	16(64)	8(32)	0(0)	17	16	27	40	1,834	Chironomidae Heteroptera	(18) (15)	23	IND
Unnamed Tributaries	BZ	6	1(17)	2(33)	3(50)	0(0)	13	37	22	28	536	Diptera (other) Heteroptera Hydropsychidae	(23) (16) (15)	3	WT
Little Wabash River	C	23	2(9)	16(69)	5(22)	0(0)	23	27	29	21	2,441	Hydropsychidae Heteroptera Chironomidae	(16) (13) (13)	2	WT
Skillet Fork	CA	116	7(6)	59(51)	49(42)	1(<1)	14	16	39	31	8,256	Heteroptera	(19)	2	IND
Big Creek	CB	6	0(0)	0(0)	6(100)	0(0)	3	18	42	37	627	Coleoptera	(30)	19	WT
Pond Creek	CC	7	0(0)	2(29)	3(42)	2(29)	3	4	6	87	1,689	Oligochaeta	(73)	1	WT
Elm River	CD	34	0(0)	15(44)	18(53)	1(3)	9	15	24	52	3,598	Chironomidae	(33)	2	WT
Village Creek	CE	4	0(0)	0(0)	4(100)	0(0)	1	16	60	23	236	Coleoptera Heteroptera	(31) (18)	5	IND
Clear Pond Creek	CF	5	0(0)	1(20)	4(80)	0(0)	13	17	45	25	459	Heteroptera Coleoptera	(22) (21)	1	IND
Sugar Creek	CG	10	0(0)	5(50)	5(50)	0(0)	9	21	49	21	634	Coleoptera Heteroptera	(25) (15)	2	WT
Fox River	CH	18	0(0)	9(50)	7(39)	2(11)	11	8	30	51	1,170	Chironomidae Oligochaeta	(24) (16)	4	WT
Hog Run Creek	CI	1					6	0	65	29	(17)	Heteroptera	(65)	1	IND
Big Muddy Creek	CJ	24	0(0)	15(62)	9(38)	0(0)	15	12	30	43	1,822	Physa Chironomidae	(18) (17)		
Panther Creek	CK	1	0(0)	1(100)	0(0)	0(0)	32	19	37	12	123	Caenidae Amphipoda	(33) (28)		
Dismal Creek	CM	3	0(0)	3(100)	0(0)	0(0)	21	8	38	33	215	Chironomidae Caenidae	(23) (21)		
Lucas Creek	CN	2	0(0)	1(50)	1(50)	0(0)	18	14	35	33	100	Chironomidae Caenidae	(28) (20)		
Bishop Creek	CO	6	0(0)	0(0)	6(100)	0(0)	3	16	32	49	406	Chironomidae Caenidae	(30) (18)		
Salt Creek	CP	14	0(0)	4(29)	8(57)	2(14)	6	4	17	73	1,227	Chironomidae	(50)	4	WT
Fulfer Creek	CQ	3	0(0)	1(33)	2(67)	0(0)	12	7	52	29	151	Caenidae Heteroptera	(21) (19)	1	IND
Big Creek	CR	7	0(0)	1(14)	5(72)	1(14)	9	12	14	65	976	Physa Chironomidae	(24) (23)	2	WT
Green Creek	CS	2	0(0)	2(100)	0(0)	0(0)	22	2	26	50	179	Chironomidae Physa	(30) (18)	1	WT
West Branch	CT	5	1(20)	4(80)	0(0)	0(0)	32	2	45	21	270	Heteroptera Decapoda	(19) (19)	1	WT
Bush Creek	CU	2	0(0)	2(100)	0(0)	0(0)	18	1	35	46	198	Physa Heteroptera	(33) (24)		
Small Direct Tributaries	CZ	37	0(0)	14(38)	22(59)	1(3)	9	10	37	44	3,451	Coleoptera Chironomidae Heteroptera Physa	(15) (13) (13) (12)	10	WT
														3	IND

¹Many of the point sources did not discharge to a receiving stream. Details for each point source are contained in Appendix 1. WT = wastewater treatment discharge. IND = industrial discharge.

²Tables 5, 6, and 7 provide further summary information for the Embarras, Vermilion, and Skillet Fork stream systems, respectively.

Table 4. Climatological conditions¹ at representative sites in the Wabash River basin during 1976 and 1977.

City	County	Annual Temperature (°F)		Precipitation (inches)	
		1976	1977	1976	1977
Albion	Edwards	55.4		29.20 (-15.00)	47.38 (3.18)
Charleston	Coles	52.1 (-1.7)	53.1 (-0.7)	27.33 (-10.56)	43.99 (6.10)
Danville	Vermilion	51.0 (-1.5)	52.1 (-0.4)	29.13 (- 9.57)	42.67 (3.97)
Effingham	Effingham	50.5 (-3.4)	51.9 (-2.0)	28.65 (-10.66)	38.42 (-0.89)
Flora	Clay	53.1 (-2.2)	54.4 (-0.9)	27.21 (-14.49)	44.32 (2.62)
Hoopeston	Vermilion	50.3 (-1.4)	51.3 (-0.4)	27.15 (- 9.73)	45.56 (8.68)
Mattoon	Coles	51.4	52.6	24.04	38.91
Mt. Carmel	Wabash	53.0		31.07	
Olney	Richland	53.6 (-2.0)	54.6 (-1.0)	27.90 (-13.73)	43.22 (1.59)
Palestine	Crawford	53.3 (-1.7)	54.2 (-0.8)	23.99 (-11.13)	43.72 (2.60)
Rantoul	Champaign	49.8	50.4	23.49 (-11.86)	42.52 (7.17)
Salem	Marion	54.2	54.7	28.32	46.34
Urbana	Champaign	51.0 (-1.3)	48.5	32.77 (- 4.65)	42.90 (5.48)

¹Summarized from annual summaries of climatological data for Illinois (U. S. Department of Commerce, National Oceanic and Atmospheric Administration, Environmental Data Service 1976, 1977). Air temperature expressed as mean annual, departure from normal in parentheses. Precipitation as total annual, departure from normal in parentheses. Normals for all stations are climatological standard normals based upon the period 1941 to 1970.

in both areas, 48% in the upper Wabash River and 47% in the Little Wabash River basins.

In fact, among the basins sampled by the Natural History Survey, the distribution (as percent) among the four stream classifications has been remarkably similar with most stations classified as unbalanced (46% to 54%), 38% to 48% as semi-polluted, 1% to 9% as balanced, and 1% to 6% as polluted. Although the exact percentages of the various stream classifications vary from watershed to watershed as a function of individual differences in basin lithography, time of year of sampling, or presence or absence of kinds of point sources or the types of agriculture practiced (pasture, intensive row crop, mixtures), the general breakdown among these classifications is so similar to suggest that Illinois streams share some broad, common characteristics or that the effects of agricultural non-point pollution are widespread and rather predictable.

An additional contributing factor to the number of semi-polluted sites observed was the overall infrequency of gravel and rock substrates with few rock riffles in many streams. Sites without eroding substrates or sites with gravel substrates which had been covered with a fine layer of silt or clay favored taxa which were assigned to either the moderate or facultative tolerance statuses such as small caenid mayflies, isopods, net-spinning caddisflies, and aquatic and semi-aquatic Heteroptera.

As only 10% of the organisms collected needed to be "intolerant" for a station to be classified as unbalanced, it is apparent that this would be a commonly observed classification, based upon the frequency of collection of amphipods, crayfish, intolerant mayflies, and other common intolerant taxa. In general, the stations classified as semi-polluted did not lack or, in many instances, even have lower numbers of such intolerant forms, but rather had extraordinary populations of moderate and facultative taxa including Coenagrionidae, Hydropsychidae, Isopoda, aquatic and semi-aquatic Heteroptera, aquatic Coleoptera, and caenid mayflies in addition.

Of nearly 100,000 individuals collected at the 882 sampling sites, only 14% of them belonged to taxa classified as intolerant, 18% as moderate, 28% as facultative, and 40% as tolerant. In overall abundance, Chironomidae predominated with approximately 20% of all organisms collected. Aquatic and semi-aquatic Heteroptera were second in overall abundance, comprising 16% of all organisms collected. Other important taxa in order of decreasing abundance were *Physa* 9%, aquatic Coleoptera 8%, Oligochaeta 7%, intolerant Ephemeroptera 6%, and Coenagrionidae 6%. These taxa comprised approximately 72% of all organisms collected.

The predominance of organisms among stream systems varied considerably especially among streams in the larger watersheds such as the Embarras, Vermilion, or Skillet Fork. Overall, however, Chironomidae were the predominant organisms at 15 of 40 stream systems, *Physa* at 5, aquatic and semi-aquatic Heteroptera at 9, aquatic Coleoptera at 5, Caenidae at 2, and Diptera (other), Hydropsychidae, and Oligochaeta each at 1 (Table 3).

The following discussion is organized by stream systems and summarizes briefly the stream classifications of 875 stations classified in the Wabash River basin. It is difficult, if not impossible, in many instances

to assign causes for the stream classifications observed. The stations designated as polluted were the easiest as the severe degradation of water quality and/or limited species diversity were often the direct result of a point source. Generally, immediately downstream from point sources and possibly for one or two stream miles further downstream, stream classifications would be semi-polluted. After flowing several miles further, conditions in these streams generally improved sufficiently to be classified as unbalanced. However, the extreme drought conditions experienced during 1976 reduced stream flows very likely to new minima. The overall effect upon stream classifications in the upper Wabash River basin (B-prefix stations) was probably to increase the number of semi-polluted sites observed as the intolerant forms burrowed deeper into the substrates, drifted downstream, or died, especially as low water levels observed at some stations caused many riffle areas to reduced drastically or to be dry. This was not such a severe problem in sampling the Little Wabash River basin during 1977 when the water regime was more average during sampling.

WABASH RIVER (B)

(Appendix 4, Maps 35, 36, 37, 52, 53, 54, 55, and 56)

Eight sites were sampled in the Wabash River. All of these were classified as semi-polluted. The distribution of organisms collected among the four tolerance status groups was heavily in favor of tolerant organisms, which comprised 84% of the individuals collected. In fact, Chironomidae comprised 54% of all individuals collected. Water levels were low in the river at the time of sampling, averaging approximately 10 inches deep, and all sites were virtually unshaded. Although the adjacent watershed was primarily agricultural with row crops of corn and soybeans on the flat land and pasture on the slopes, this would have little overall effect upon the water quality directly. In large rivers such as the Wabash, the adjacent watershed is less responsible for conditions at a particular point, except in the case of an untreated effluent flowing in at that point, than the entire watershed upstream of the point. In these large rivers most of the energy input is derived from upstream small order streams (orders 1, 2, and 3); very little in-stream production occurs by comparison. The river sediments in the main channel areas were composed chiefly of sand or mixtures of sand and gravel.

The six discharges entering the Wabash River directly apparently exerted little influence upon the stream classifications observed. Effluent from the wastewater treatment plants of Hutsonville, St. Francisville, Mt. Carmel, and Grayville and the industrial discharges of CIPS at Hutsonville and the Mt. Carmel Public Utility did not alter the stream classifications from semi-polluted. Since the Wabash River is an order 8 stream in this area, the effluents from these point sources would have to be of very poor quality to have more than a very localized influence upon stream quality.

FRENCH CREEK (BB)
(Appendix 4, Map 53)

Both sites sampled in French Creek were classified as semi-polluted. Water levels were extremely low at the time of sampling in August and throughout most of its length the stream was virtually unshaded. Substrate materials were chiefly sand and clay. The watershed of French Creek was primarily agricultural with row crops as the common land use. No point sources discharged into the basin.

Physa and *Coenagrionidae* were the predominant organisms collected, comprising 31% and 18%, respectively. Only 6% of the organisms collected were classified as intolerant. Such low frequencies are likely to be a result of lack of suitable microhabitats such as rock riffles.

BONPAS CREEK (BC)
(Appendix 4, Maps 51 through 54)

Among the nine sites sampled in the Bonpas Creek watershed, six were classified as unbalanced and three as semi-polluted. The watershed was primarily agricultural with corn and soybeans comprising most of the available acreage. In some areas, however, forest and pastures were observed next to the stream. In general, the stream was exposed fully to the sun; places where trees provided partial shading were uncommon to rare. Water level in the stream was extremely low, with at least 12 sites visited completely dry. Substrate materials at the various sampling stations were composed primarily of sand and clay, mixed with gravel or silt at several sites. Predominant taxa observed included Isopoda (24%) and aquatic and semi-aquatic Heteroptera (19%). Organisms classified as moderate were most abundant, followed by facultative taxa, intolerant, and tolerant ones.

The effects of the West Salem, North and South, wastewater treatment plants were minimal. Upstream of the outfall of each plant the stream was dry. Immediately downstream of each outfall, however, the receiving streams were classified as semi-polluted. These plants discharged into the headwaters of two streams and the effluents provided the available stream flow at the time of sampling.

COFFEE CREEK (BD)
(Appendix 4, Maps 52 and 54)

Only two sites, both classified as unbalanced, were sampled in Coffee Creek. The predominant taxa were species of aquatic and semi-aquatic Heteroptera, 23% of all organisms collected. Only 95 individuals were taken from both stations. However, this stream system was sampled following a recent flood which probably produced some benthic scouring. The adjacent watershed was heavily forested at one site in a conservation area; the second site was exposed to full sunlight with row crops predominating on its adjacent watershed. Substrate materials were chiefly clay, sand, and gravel. The lack of soft sediments deposited over the harder materials is likely the result of the recent high water levels.

EMBARRAS RIVER (BE)
(Appendix 4, Maps 15 through 33)

Two hundred four sites were sampled in the Embarras River system. Of these, 10% were classified as balanced, 52% as unbalanced, 31% as semi-polluted, and 7% as polluted. Of the nearly 30,000 organisms collected at these stations, 34% were classified as either intolerant or moderate, 31% as facultative, and 35% as tolerant. Overall, aquatic and semi-aquatic Heteroptera (21%) and Chironomidae (19%) were the predominant macroinvertebrates collected in the Embarras River system (Table 5).

The adjacent watershed varied widely among sampling stations. At most sites the stream was shaded to some degree by trees along the banks. Although urban influences affected several sites such as those near Mattoon or Charleston, the watershed was primarily agricultural, devoted to row crops and pasture. A few forested areas occurred.

Flow was very low at the time sampling took place, with the streams often appearing as stagnant or non-flowing. Substrates were primarily sand, mud, and gravel, often mixed with silt, debris, and clay.

Of 52 point sources located in the Embarras River basin, (42 wastewater treatment plants and 10 industrial sources), 13 were not discharging at the time of sampling. Some categorized as industrial may also have included some non-industrial components. Results of sampling these discharges may be categorized into major groups by stream conditions either upstream or downstream as point sources where: (1) downstream sites were an improvement over upstream stream classifications; (2) the downstream site was degraded when compared to the upstream stream classification; (3) both the upstream and downstream sites had the same stream classification; or (4) either the upstream or downstream site was dry.

At the Tolono wastewater treatment plant and the Alvis Standard Service Station stream conditions actually were improved downstream of the point source discharges. In both instances, streams were classified as polluted upstream of the outfalls, classified as semi-polluted immediately downstream of the Tolono plant and unbalanced downstream of the Alvis station.

The wastewater treatment plant outfalls of Savoy and Tuscola-North exerted minimal or short-term effects upon their respective receiving streams. Although the Savoy plant sites were classified as unbalanced immediately upstream and semi-polluted downstream in the unnamed tributary, stream conditions in the Embarras River improved within four miles downstream. The Savoy plant discharges into the headwaters of the Embarras River where its effect could be greater than in downstream reaches where more flow was available for dilution. In Tuscola-North conditions changed from unbalanced to polluted in Hayes Branch, but within two miles downstream improved to be classified as unbalanced.

The General Electric discharge in Mattoon did have a degrading effect upon Kickapoo Creek. Stream classification changed from unbalanced immediately upstream of the outfall to semi-polluted after discharge of

Table 5. A summary by stream system of the number of stations sampled, station classifications, distributions of organisms among the four tolerance statuses, predominant organisms, and number and type of point sources sampled in the Embarras River basin.

STREAM SYSTEM	STREAM CODE	NUMBER STATIONS SAMPLED	STATION CLASSIFICATION				% TOTAL				ORGANISMS		POINT SOURCES ¹	
			NUMBER OF STATIONS		(% TOTAL STATIONS)						TOTAL NUMBER	PREDOMINANT (% TOTAL)	NUMBER	TYPE
			B	UB	SP	P	I	M	F	T				
Embarras River	BE	32	3(9)	23(72)	6(19)	0(0)	23	24	36	17	5,100	Heteroptera (22) Ephemeroptera (20)	4 1	WT IND
Muddy Creek	BEA	8	0(0)	5(62)	2(25)	1(13)	10	21	19	50	986	Diptera (other)(21) Chironomidae (18)	3	WT
Brushy Creek	BEB	9	0(0)	5(56)	4(44)	0(0)	19	23	23	35	735	Chironomidae (19) Isopoda (16)	2	WT
Honey Creek	BEC	1	0(0)	1(100)	0(0)	0(0)	49	12	21	18	33	Amphipoda (27) Decapoda (15)	1	WT
Big Creek	BED	8	2(25)	5(62)	1(13)	0(0)	22	10	14	54	610	Chironomidae (37) Decapoda (20)	1	WT
North Fork	BEF	45	13(29)	28(62)	2(4)	2(4)	34	13	12	41	3,655	Chironomidae (27) Ephemeroptera (17)	3 2	WT IND
Crooked Creek	BEG	7	2(29)	5(71)	0(0)	0(0)	48	9	11	32	490	Chironomidae (20) Decapoda (19)		
Range Creek	BEI	1	0(0)	0(0)	1(100)	0(0)	0	14	12	74	98	Oligochaeta (36) Chironomidae (15) Diptera (other)(15)		
Muddy Creek North	BEJ	3	0(0)	0(0)	3(100)	0(0)	3	6	15	76	394	Chironomidae (59) Diptera (other)(15)	2	WT
Hurricane Creek	BEL	3	0(0)	2(67)	1(33)	0(0)	13	30	39	18	328	Sphaeriidae (20) Heteroptera (17)		
Kickapoo Creek	BEN	13	0(0)	7(54)	3(23)	3(23)	9	13	24	54	2,565	Oligochaeta (33) Chironomidae (15)	4 4	WT IND
Polecat Creek	BEO	2	0(0)	1(50)	1(50)	0(0)	4	63	24	9	400	Sphaeriidae (25) Tricladida (25)	2	WT
Little Embarras Creek	BEP	8	0(0)	5(62)	3(38)	0(0)	17	22	49	12	1,473	Heteroptera (27) Amphipoda (14)	1	WT
Greasy Creek	BEQ	2	0(0)	1(50)	1(50)	0(0)	7	15	63	15	593	Heteroptera (52) Sphaeriidae (7)		
Scattering Fork	BER	18	0(0)	2(11)	13(72)	3(17)	5	17	47	31	5,334	Heteroptera (43) Chironomidae (18)	5 2	WT IND
Jordan Slough	BES	2	0(0)	0(0)	1(50)	1(50)	0	14	14	72	85	Chironomidae (58) <i>Physa</i> (13)	1	WT
East Branch Embarras River	BET	4	0(0)	0(0)	4(100)	0(0)	2	14	41	43	552	Chironomidae (40) Heteroptera (24)		
Hog Branch	BEU	2	0(0)	2(100)	0(0)	0(0)	15	34	6	45	315	Sphaeriidae (26) Chironomidae (25)	1	WT
Deer Creek	BEW	2	0(0)	0(0)	2(100)	0(0)	1	9	68	22	201	Heteroptera (57) Chironomidae (11)		
Brushy Fork	BEX	11	0(0)	5(45)	6(55)	0(0)	14	14	33	39	2,782	Heteroptera (22) <i>Physa</i> (20)	3	WT
Small Direct Tributaries	BEZ	23	1(4)	8(35)	10(44)	4(17)	11	13	20	56	2,488	Chironomidae (36) Oligochaeta (13)	9 1	WT IND
TOTALS ²		204	21(10)	105(52)	64(31)	14(7)	16	18	31	35	29,217	Heteroptera (21) Chironomidae (19)	42 10	WT IND

¹Many of the point sources listed did not discharge to a receiving stream. Details for each point source are contained in Appendix 1. WT = wastewater treatment discharge. IND = industrial discharge.

²Figures for stream classifications calculated from column totals; % of total organisms and predominant organisms calculated from column and line totals presented in Table 2 and Appendix 3.

the effluent. Conditions continued to degrade as Kickapoo Creek flowed through Mattoon, with the stream classified as polluted.

Point sources for which both the upstream and downstream sites had the same classification included the wastewater treatment plants of Newton, Bridgeport, Lawrenceville, Flat Rock, Martinsville, Charleston, Mattoon, Tuscola-South, and Greenup; the Red Hills State Park South, Texaco, Inc. 001 + 002, Martinsville District C-3 OR, and the Lawrenceville-Vincennes Airport. Almost all of these sites were classified as unbalanced both upstream and downstream. The Greenup and Mattoon wastewater treatment plant sites were classified as polluted both upstream and downstream of each outfall while the Tuscola-South and Bridgeport plant sampling sites were classified as semi-polluted. The Greenup effluent flows into a small tributary of the Embarras River and flows into the Embarras River within one stream mile. The effect upon the Embarras River is minimal as water quality remains good in that portion of the river (classified as unbalanced). The Martinsville wastewater treatment plant sampling stations were the only ones to be classified as balanced both upstream and downstream of the outfall, the result of an unusual number of amphipods collected.

There were 13 sites where the stream immediately upstream of the discharge was dry. Effluent quality was low at the Sumner, Casey, Toledo, and Villa Grove wastewater treatment plants, the Newton lagoon, and the Cumberland elementary and high schools, and the receiving streams were classified as polluted downstream of these discharges. The effluents of the Oblong and Arcola wastewater treatment plants, the University of Illinois Willard Airport, Francis Mobile Home Park, and Tuscola-South wastewater treatment plant were of somewhat better quality as stream classifications were semi-polluted downstream of their discharges. Downstream of Anaconda Brass in Mattoon and the Martinsville District C-3 SO the receiving streams were classified as unbalanced. In general, however, quality improved by the time the receiving stream had flowed a few miles farther downstream with stream classifications generally becoming unbalanced.

The Embarras River system was the largest Wabash River tributary sampled in this inventory. The 204 sites sampled were distributed among 19 smaller stream systems, unnamed tributaries, and the Embarras River itself with 32 stations sampled. Most of these Embarras River tributaries, as summarized in Table 5, were small, represented by 10 or fewer stations. Only five tributaries were large enough to have more than 10 sampling sites: North Fork (45 stations), small direct tributaries (23), Scattering Fork (18), Kickapoo Creek (13), and Brushy Fork (11).

Most stations were classified as either unbalanced (105) or semi-polluted (64), with rather even distributions in most stream systems. Notable exceptions were observed in the Embarras River where 81% of the stations sampled (26) were either balanced or unbalanced sites; in the North Fork watershed where 91% (41) were either classified as balanced or unbalanced; and the Scattering Fork where 89% (16) of the stations sampled were either semi-polluted or polluted.

A variety of taxa predominated in various stream systems, representing all the tolerance statuses. Chironomidae were among the predominant taxa

observed at 14 of the 21 streams or stream systems summarized in Table 5. Aquatic and semi-aquatic Heteroptera ranked second in number of occurrences with 8; Sphaeriidae, 4; Decapoda, Oligochaeta, and other Diptera, each 3; intolerant Ephemeroptera, *Physa*, and Amphipoda, each 2; and Tricladida and Isopoda, each 1.

SUGAR CREEK (BF)
(Appendix 4, Map 37)

Twenty-six sites were sampled in the Sugar Creek system. Of these 12% were classified as balanced, 46% as unbalanced, 27% as semi-polluted, and 15% as polluted. Tolerant organisms predominated, comprising 58% of the total number of individuals collected. In fact, Chironomidae comprised 33% of the total number of organisms collected. Miscellaneous Diptera, crayfish, and isopods were also abundant in the watershed.

The basin was primarily agricultural with row crops and pasture common. Natural wooded areas, as well as low shrubbery along the banks, were frequently observed along the streams. At virtually all sites sampled, the stream was heavily shaded. At the time of sampling water levels were very low and some oil was detected at the surface of the water and the surrounding areas at several sites. Principal substrate materials included sand, sand and gravel mixtures, or mud and debris.

Of seven point sources located in the Sugar Creek watershed, four were wastewater treatment plants and three were industrial point sources. The Palestine wastewater treatment plant and Briggs Manufacturing Company both exerted minimal effects upon Sugar Creek. Both upstream and downstream sampling sites near these point sources were classified as unbalanced. In Robinson both the wastewater treatment plant and Robinson Industries lagoon discharges exerted an influence upon stream quality. Upstream from the outfalls the stream was classified as unbalanced while downstream the stream classification was polluted. Below the lagoon outfall the stream classification did not improve until approximately four miles further downstream. Below the wastewater treatment plant outfall, however, stream recovery occurred within one-quarter mile and the site was classified as balanced due to the unusually large number of crayfish collected. Both upstream and downstream sites of the Marathon Oil Company were classified as polluted. There was no discharge from the Lincoln Trail College into Sugar Creek, presumably only because school was not in session at the time of sampling. Crawford County Country Club's discharge was to a lake.

RACCOON CREEK (BG)
(Appendix 4, Map 36)

Six sites were sampled in the Raccoon Creek watershed. Of these, one station was classified as balanced, three as unbalanced, and two as semi-polluted. Aquatic and semi-aquatic Heteroptera (28%) and Chironomidae (25%) predominated. The watershed adjacent to the various sampling sites varied with combinations of forest, open meadows, pasture, and row crops occurring. Likewise, stream shading varied, ranging from virtually unshaded to totally shaded. Stream substrate materials were primarily sand, occasionally mixed

with gravel. No discharging point sources occurred in the watershed.

MILL CREEK (BH)
(Appendix 4, Map 35)

Twenty-eight sites were sampled in the Mill Creek system. Of these, 11% were classified as balanced, 75% as unbalanced, 11% as semi-polluted, and 3% as polluted. The most abundant organisms collected were classified as tolerant (63% of all individuals collected), the least abundant as moderate (only 4% of all individuals collected). Overall, Chironomidae (29%) and other Diptera (19%) were the predominant macroinvertebrates collected in the watershed.

The watershed was primarily agricultural with corn as the principal row crop on the flat lands and pasture predominating on the steeper slopes. Some sites were wooded, partially shading the stream. Substrates were chiefly sand often mixed with either mud or gravel.

The Marshall wastewater treatment plant discharged into Mill Creek. Its effect upon the receiving stream was minimal and short-term. Stream conditions degraded to polluted downstream of the outfall from semi-polluted upstream of the discharge. However, by the time the stream had flowed approximately one mile downstream conditions had improved sufficiently to be classified as unbalanced.

SUGAR CREEK (BI)
(Appendix 4, Map 35)

Only two stations were sampled in the Sugar Creek watershed, one classified as unbalanced, the other as semi-polluted. The watershed was primarily agricultural although some low trees and shrubs and several small woodlots occurred along the adjacent watershed. The creek was partially shaded at both sites sampled. Predominant substrate materials were sand and mud. Facultative organisms comprised 62% of the organisms collected at these stations with aquatic and semi-aquatic Heteroptera predominating, 58% of all individuals collected. There were no discharging point sources in this watershed.

BIG CREEK (BJ)
(Appendix 4, Maps 34 and 35)

Of 24 sites sampled in the Big Creek basin, 17% were classified as balanced, 58% as unbalanced, 17% as semi-polluted, and 8% as polluted. Chironomidae comprised 49% of all organisms collected in the watershed and together with *Physa* and aquatic and semi-aquatic Heteroptera accounted for 71% of the nearly 2,700 individuals collected. Agricultural interests predominated in this basin although urban influences were important at several sites. One site was in the process of being dredged. In general, the stream itself was shaded or semi-shaded by trees. Substrate materials were chiefly sand mixed with either gravel or rock.

Two discharging point sources were located in the basin. The Marathon Station discharge actually improved stream conditions with the small unnamed tributary being classified as unbalanced downstream. The Marshall-East wastewater treatment plant effluent did not alter stream classifications, both immediately upstream and downstream of the outfall the stream was classified as polluted. This plant, however, is located in the headwaters of Little Creek. In a small headwater stream the impact of an effluent would be greater since the dilution ratio would be low. By the time the stream had flowed approximately two miles farther downstream conditions had improved enough for Little Creek to be classified as unbalanced.

ASHMORE CREEK (BK)
(Appendix 4, Map 35)

Two sites were sampled in Ashmore Creek. One was classified as unbalanced, the other as semi-polluted. *Physa* and Chironomidae were the predominant organisms collected, comprising 43% and 39%, respectively. Forest was the primary vegetation of the adjacent watershed, but the primary activity in the watershed was farming. On agricultural land row crops, especially corn, were important. The substrate materials observed were combinations of either sand and mud or sand and gravel. No point source discharged into Ashmore Creek.

CLEAR CREEK (BL)
(Appendix 4, Map 14)

Among the eight stations sampled in the Clear Creek basin, two were classified as balanced and six as unbalanced. Although much of the watershed was forested, fields and pastures were frequently observed adjacent to the stream. Only one site was exposed to direct sunlight; the others were heavily shaded. Substrates were composed of sand and gravel. At the time of sampling the water levels were very low and blue-green algae was plentiful at most sites. Chironomidae were the predominant benthic macroinvertebrates collected, comprising 17% of all individuals taken. However, intolerant organisms comprised 37% of all organisms collected, the most abundant, with tolerant organisms next in abundance with 33% of the total, facultative organisms with 23%, and finally, moderate organisms as the least abundant with only 7% of the individuals collected. No point sources discharged into Clear Creek.

SUGAR CREEK (BM)
(Appendix 4, Maps 13 and 14)

Twelve sites were sampled in Sugar Creek. Of these, four were classified as unbalanced and eight as semi-polluted. The surrounding watershed was forested and one site was located on the Paris golf course. The predominant stream substrates were sand either mixed with gravel, silt, mud, and/or debris. Chironomidae were by far the most abundant organisms collected, comprising 54% of all organisms collected.

Two wastewater treatment plant discharges were investigated. These

two effluents had little long-term effect upon stream conditions. Both the Paris-North wastewater treatment plant and the Sycamore Hills Country Club sites were classified as semi-polluted upstream of their respective outfalls. The stream classification at the Sycamore Hills Country Club remained semi-polluted downstream of its outfall and the flow contributed by the Paris-North treatment plant actually improved stream conditions sufficiently to be classified as unbalanced. The Paris-South wastewater treatment plant effluent changed stream classifications from unbalanced upstream to semi-polluted downstream. The two Paris wastewater discharges are in close proximity and discharge to the same receiving stream. The stream flows only a short distance before the second discharge enters; thus, there is little flow time for a "recovery" zone for the North plant.

BROUILLETTS CREEK (BN)
(Appendix 4, Maps 12 and 13)

Among the 15 sites sampled in Brouilletts Creek, 10 stations were classified as unbalanced and five as semi-polluted. Chironomidae (23%) and Coenagrionidae (14%) predominated at these stations. Approximately 1,700 individuals were collected at these sites and there was a reasonably even distribution of organisms among the four tolerance status groups. Substrate materials at various stations were primarily sand in combination with mud, gravel, or debris. The adjacent watershed included combinations of forest, pasture, and row crops such as corn and soybeans.

There was only one point source discharging into Brouilletts Creek, the Chrisman wastewater treatment plant. Its effect upon the stream was minimal. Both the upstream and downstream sampling stations were classified as semi-polluted and stream conditions improved farther downstream about one mile to be classified as unbalanced.

LITTLE VERMILION RIVER (BO)
(Appendix 4, Map 12)

Of 14 sites sampled in the Little Vermilion River system, 43% were classified as unbalanced, 36% as semi-polluted, and 21% as polluted. Principal organisms collected included aquatic Coleoptera (18%) and Chironomidae (18%). Of approximately 1,000 individuals collected, in general one third was tolerant organisms, one third facultative, and one third a combination of intolerant and moderate. The stream substrates were primarily gravel, mud, and sand. Woods and pasture were the predominant land uses in the adjacent watershed.

The two discharging point sources into the Little Vermilion River exerted minimal effect upon the stream. The site upstream of the Georgetown wastewater treatment plant was classified as unbalanced with conditions degrading to polluted immediately downstream. However, conditions improved within 0.5 mile flow downstream to be classified as unbalanced. The Ridge Farm wastewater treatment plant effluent reduced stream conditions to the polluted classification immediately downstream of its outfall. The recovery was rapid with conditions improving to unbalanced by the time the stream had flowed approximately 1.5 miles farther downstream.

VERMILION RIVER (BP)

(Appendix 4, Maps 3 through 8, 10, 33, 35, 36, 37, 38, 52 through 56)

One hundred fifty-three sites were sampled in the Vermilion River basin. Of these, 6% were classified as balanced, 35% as unbalanced, 51% as semi-polluted, and 8% as polluted. Of nearly 20,000 individuals collected at these stations, approximately 15% were classified as intolerant, 28% as moderate, 26% as semi-polluted, and 31% as tolerant. Chironomidae and aquatic Heteroptera were the predominant taxa, comprising 14% and 16% of the total organisms collected. This varied significantly among the various tributary streams, however, with *Ferrissia*, Tricladida, intolerant mayflies, and miscellaneous Diptera predominating at certain sites. The adjacent watershed was primarily agricultural, devoted to row crops and pasture, with occasional patches of forest or woodlots. Some urban influences such as Champaign-Urbana and Rantoul or Danville exerted strong effects which were noticeable for considerable distances downstream. In general, the stream substrates were primarily sand in combination with mud, gravel, or silt, especially in the tributaries. At the time of sampling the flow in most sites was very low to stagnant.

The Vermilion River basin was the second largest Wabash River tributary sampled in this inventory. The 153 sampling sites were distributed among six smaller stream systems and the Vermilion River itself with three sites sampled. These are summarized in Table 6. Since the Salt Fork and Middle Fork tributaries were still rather large, a further breakdown was provided in Table 6 for these two major Vermilion River tributaries.

Most stations were classified as either unbalanced (54) or semi-polluted (78). The Salt Fork system was the only Vermilion River tributary in which the number of semi-polluted and polluted stations considerably outnumbered the balanced-unbalanced ones. Sixty percent (41) of the sites were classified as semi-polluted. Two factors contributed to these observations. Sampling in the Salt Fork was conducted during late summer and autumn, 1976, a severe drought period. The ditched and channelized portions, a result of the drainage of the Champaign County marshes, in the Salt Fork system contain most stream miles, thereby favoring soft, depositing substrates in the intensively farmed watershed. In addition, the large urban influences of Rantoul and Champaign-Urbana affect the Upper Salt Fork Drainage Ditch and the Saline Ditch and Salt Fork, respectively. These factors combined to produce stream conditions which were of poorer overall quality.

A variety of taxa predominated in the various tributary systems, representing all the tolerance statuses. Among the major tributaries, no one taxon predominated. Chironomidae were important at four, aquatic and semi-aquatic Heteroptera at three and intolerant Ephemeroptera and Tricladida at two each, and *Ferrissia*, Coenagrionidae, other Diptera, *Physa*, and Oligochaeta each at one.

Thirty point sources actually discharged into the Vermilion River watershed. At 12 of these the stream classification was unchanged from upstream to downstream of the outfall. Those sites classified as semi-polluted both upstream and downstream of point source discharges included General Electric in Danville, the Country Manor and Twin Orchard Mobile

Table 6. A summary by stream system of the number of stations sampled, station classifications, distributions of organisms among the four tolerance statuses, predominant organisms, and number and type of point sources sampled in the Vermilion River basin.

STREAM SYSTEM	STREAM CODE	NUMBER STATIONS SAMPLED	STATION CLASSIFICATION					ORGANISMS				POINT SOURCES ¹		
			NUMBER OF STATIONS			(% TOTAL STATIONS)		TOTAL NUMBER	PREDOMINANT (% TOTAL)	NUMBER TYPE	NUMBER TYPE			
			B	UB	SP	P	% TOTAL							
							I					M	F	T
Vermillion River	BP	3	0(0)	1(33)	2(67)	0(0)	4	17	66	13	<i>Ferrissia</i> (39) Coenagrionidae (15)	5 WT 3 IND		
Grape Creek	BPE	9	0(0)	3(33)	4(45)	2(22)	5	26	11	58	Chironomidae (29) Diptera (other)(12)	1 WT 3 IND		
Stony Creek	BPF	8	0(0)	3(38)	5(62)	0(0)	7	53	25	15	Tricladida (34) Heteroptera (19)	4 IND		
North Fork	BPG	22	1(5)	13(59)	7(31)	1(5)	19	23	30	28	Heteroptera (20) Ephemeroptera (13) Chironomidae (12)	1 WT 6 IND		
Butler Branch	BPI	6	0(0)	0(0)	5(83)	1(17)	2	45	10	43	<i>Physa</i> (24) Chironomidae (17) Tricladida (16)	1 WT		
Salt Fork	BPJ	69	7(10)	14(20)	41(60)	7(10)	16	27	16	41	Chironomidae (18) Oligochaeta (18)	9 WT 4 IND		
Salt Fork	BPJ	16	3(19)	6(37)	7(44)	0(0)	28	28	31	13	Heteroptera (20) Ephemeroptera (19)	3 WT		
Jordan Creek	BPJA	3	3(100)	0(0)	0(0)	0(0)	57	23	10	10	Amphipoda (40)			
Stony Creek	BPJB	8	0(0)	2(25)	6(75)	0(0)	20	47	16	17	Coenagrionidae (15) Hydropsychidae (13)			
Saline Branch	BPJC	14	0(0)	1(7)	10(72)	3(21)	1	13	13	73	Chironomidae (34) Oligochaeta (34)	3 WT 2 IND		

STREAM SYSTEM	STREAM CODE	NUMBER STATIONS SAMPLED	STATION CLASSIFICATION				% TOTAL				ORGANISMS		POINT SOURCES ¹	
			NUMBER OF STATIONS		(% TOTAL STATIONS)						TOTAL NUMBER	PREDOMINANT (% TOTAL)	NUMBER	TYPE
			B	UB	SP	P	I	M	F	T				
Vermilion River	BP	3	0(0)	1(33)	2(67)	0(0)	4	17	66	13	397	<i>Ferriisia</i> (39) Coenagrionidae (15)	5 3	WT IND
Grape Creek	BPE	9	0(0)	3(33)	4(45)	2(22)	5	26	11	58	1,533	Chironomidae (29) Diptera (other)(12)	1 3	WT IND
Stony Creek	BPF	8	0(0)	3(38)	5(62)	0(0)	7	53	25	15	870	Tricladida (34) Heteroptera (19)	4	IND
North Fork	BPG	22	1(5)	13(59)	7(31)	1(5)	19	23	30	28	3,076	Heteroptera (20) Ephemeroptera (13) Chironomidae (12)	1 6	WT IND
Butler Branch	BPI	6	0(0)	0(0)	5(83)	1(17)	2	45	10	43	796	<i>Physsa</i> (24) Chironomidae (17) Tricladida (16)	1	WT
Salt Fork	BPJ	69	7(10)	14(20)	41(60)	7(10)	16	27	16	41	6,507	Chironomidae (18) Oligochaeta (18)	9 4	WT IND
Salt Fork	BPJ	16	3(19)	6(37)	7(44)	0(0)	28	28	31	13	1,702	Heteroptera (20) Ephemeroptera (19)	3	WT
Jordan Creek	BPJA	3	3(100)	0(0)	0(0)	0(0)	57	23	10	10	560	Amphipoda (40)		
Stony Creek	BPJB	8	0(0)	2(25)	6(75)	0(0)	20	47	16	17	619	Coenagrionidae (15) Hydropsychidae (13)		
Saline Branch	BPJC	14	0(0)	1(7)	10(72)	3(21)	1	13	13	73	1,482	Chironomidae (34) Oligochaeta (34)	3 2	WT IND
Spoon River	BPJD	6	1(17)	2(33)	3(50)	0(0)	10	50	7	33	507	Coenagrionidae (30) Chironomidae (19)		
Upper Salt Fork	BPJE	15	0(0)	2(13)	9(60)	4(27)	2	21	3	74	1,214	Oligochaeta (52) Chironomidae (19)	2 2	WT IND
Unnamed Tributaries	BPJZ	7	0(0)	1(14)	6(86)	0(0)	5	40	19	36	423	Chironomidae (31)	1	WT
Middle Fork	BPK	36	1(3)	20(55)	14(39)	1(3)	18	28	37	17	6,542	Heteroptera (24) Ephemeroptera (14)	4 3	WT IND
Middle Fork	BPK	12	0(0)	9(75)	3(25)	0(0)	20	29	43	8	2,486	Heteroptera (32) Ephemeroptera (19)		
Glenburn Creek	BPKA	-	-	-	-	-	-	-	-	-	-		1	WT
Windfall Creek	BPKB	1	0(0)	1(100)	0(0)	0(0)	25	29	38	8	229	Coleoptera (34) Ephemeroptera (23)		
Gimlet Creek	BPKD	1	0(0)	0(0)	1(100)	0(0)	4	36	50	10	160	Hydropsychidae (31) Coleoptera (28)		
Knights Branch	BPKF	1	0(0)	1(100)	0(0)	0(0)	33	35	22	10	130	Ephemeroptera (43) Tricladida (37)		
Bean Creek	BPKG	1	0(0)	1(100)	0(0)	0(0)	35	35	22	8	123	Ephemeroptera (33) Hydropsychidae (31)		
Bluegrass Creek	BPKI	3	1(33)	1(33)	1(34)	0(0)	24	24	28	24	418	Ephemeroptera (23) Coenagrionidae (22)	1	WT
East Branch	BPKM	6	0(0)	3(50)	3(50)	0(0)	18	21	45	16	1,172	Heteroptera (27) Coleoptera (17)		
West Branch	BPKN	5	0(0)	2(40)	3(60)	0(0)	15	24	41	20	641	Heteroptera (21) Coenagrionidae (19)		
Unnamed Tributaries	BPKZ	6	0(0)	2(33)	3(50)	1(17)	10	33	21	36	1,183	Chironomidae (19) <i>Physsa</i> (15) Coenagrionidae (15)	3 2	WT IND
TOTALS ²		153	9(6)	54(35)	78(51)	12(8)	15	28	26	31	19,721	Heteroptera (15) Chironomidae (14)	21 23	WT IND

¹Many of the point sources listed did not discharge to a receiving stream. Details for each point source are contained in Appendix 1. WT = wastewater treatment discharge. IND = industrial discharge.

²Figures for stream classifications calculated from column totals; % of total organisms and predominant organisms calculated from column and line totals presented in Table 2 and Appendix 3.

Home Parks, and the wastewater treatment plants of Westville, Rantoul, and St. Joseph. At the Lebanon Chemical Company (Agrico Chemical Company), the Chanute Test Cell Dome and the Chanute wastewater treatment plant, the stream classifications were polluted both upstream and downstream of these point sources. Unbalanced conditions both upstream and downstream were observed at the Oakwood Boy Scouts of America Camp Drake and the Illinois Power Company at Newton. Only the Oakwood wastewater treatment plant had balanced conditions both upstream and downstream of the discharge.

At three stream sites conditions actually improved downstream of the point source discharges. At both the Illinois Central Gulf railroad and Shady Acres Mobile Home Park, the receiving streams were classified as polluted upstream of the outfalls, but classified as semi-polluted downstream. At the Potomac Community Unit 10 school, stream conditions changed from unbalanced upstream to balanced downstream, due primarily to the large number of intolerant mayflies collected.

At six sites including the wastewater treatment plants of Danville, Hoopeston, Catlin, Champaign-Urbana, and General Motors and Lauhoff Grain industrial discharges, the downstream sampling site was classified as being of poorer quality than the upstream site. At Catlin, Hoopeston, and Lauhoff Grain the effluent exerted minimal effects as stream classifications returned to those as upstream within one stream mile downstream flow.

At several sites the upstream stations were dry and the downstream station was classified as unbalanced. This occurred downstream from Newton School, West Cove Christian High School, and the Rossville Packing Company. At the Bohn Al and Brass Corporation the downstream site was semi-polluted and at the Skelly Oil Station and Vistron-Sohigro-Potomac it was dry. Only the wastewater treatment plant of Paxton had a polluted site downstream of its discharge, but stream conditions had improved sufficiently to be classified as unbalanced by the time the stream had flowed one mile.

Two point sources, the Sidney Elementary school and the Votec Nursing Home, were not discharging at the time of sampling.

UNNAMED TRIBUTARIES OF WABASH RIVER (BZ)
(Appendix 4, Maps 33, 35 through 38, 52 through 56)

Among the six stations sampled in unnamed tributaries of the Wabash River were one site classified as balanced, two sites as unbalanced, and three sites as semi-polluted. The watersheds were primarily agricultural with row crops, pasture, and open meadows comprising most of the available acreage. The stream banks were commonly lined with trees, virtually shading all of the sites sampled. Substrate materials were primarily silt, clay, and gravel. The predominant taxa observed at these sites included miscellaneous Diptera (23%), aquatic and semi-aquatic Heteroptera (16%), and Hydropsychidae (15%). There was no discharging point source into any of these unnamed tributaries of the Wabash River.

SMALL NAMED TRIBUTARIES OF WABASH RIVER (BZ_)
(Appendix 4, Maps 52, 54, 55, and 56)

Twenty-five sites were sampled in small named tributaries of the Wabash River. Of these, 4% were classified as balanced, 64% as unbalanced, and 32% as semi-polluted. Stream substrates were extremely variable with sand, mud, and gravel, or combinations of mud, clay, sand, or silt. Overall, among approximately 1,800 organisms collected, Chironomidae and aquatic and semi-aquatic Heteroptera were the most abundant organisms, comprising 18% and 15%, respectively. Tolerant organisms comprised 40% of all individuals collected.

The watersheds of these small streams were primarily in pasture and row crops although several wooded sites and one swampy site were observed. Stream shading ranged from virtually unshaded to totally shaded.

No point source discharged into any of these small named tributaries.

LITTLE WABASH RIVER (C)
(Appendix 4, Maps 39, 40, 41, 43, 44, 48, 49, 50, and 56)

Of 23 sites sampled in the Little Wabash River, 16 were classified as unbalanced, eight as semi-polluted, and one as balanced. There was a reasonably even distribution of organisms collected among the four tolerance statuses with facultative organisms as the most abundant, tolerant organisms the least. Overall, Hydropsychidae (16%), aquatic and semi-aquatic Heteroptera (13%), and Chironomidae (13%) were the predominant benthic organisms collected in the Little Wabash River.

The watershed was primarily agricultural with forest or woodlots occupying the slopes. Although row crops were common, pastures and some hog lots were evident. Substrate materials in the streams included mud, sand, and gravel, occasionally with silt or debris. Water levels were extremely low during the time sampling occurred. Shading by riparian vegetation ranged from full exposure to sunlight to partially and totally shaded.

The Louisville and Carmi wastewater treatment plants discharge into the Little Wabash River. These treated effluents did not exert a major influence upon the quality of the receiving stream. At the Louisville plant upstream from its outfall, the river was classified as unbalanced. Upstream from the Carmi outfall, the Little Wabash River was classified as semi-polluted. The observed stream classifications did not change after the discharge entered the stream.

SKILLET FORK (CA)
(Appendix 4, Maps 57 through 61, 64)

One hundred sixteen sites were sampled in the Skillet Fork basin. Of these, 6% were classified as balanced, 51% as unbalanced, 42% as semi-polluted, and 1% as polluted. Of approximately 8,000 organisms collected,

aquatic and semi-aquatic Heteroptera predominated, 19% of the individuals taken. The distribution of organisms among the four tolerance status groups was in favor of the facultative (39%) and tolerant (31%) groups.

Much of the adjacent watershed was agricultural with row crops and pasture predominating and occasional forest or woodlots evident. Stream substrates were a combination of sand, mud, and/or gravel. Flow was very low at the time of sampling, often appearing as stagnant or non-flowing. The stream shading by riparian vegetation ranged from full exposure to the sun to complete shading. Although 19 point sources were located in the Skillet Fork basin, none were discharging at the time of sampling.

The Skillet Fork basin was the third largest Wabash River tributary sampled in this inventory. The 116 sites were distributed among the Skillet Fork itself, small direct tributaries, and 22 tributaries. With the exception of Main Outlet Ditch (22 stations) and Horse Creek (14 stations), no other tributary had more than 11 sampling stations. Most, in fact, contained only one, two, or three sampling sites. Table 7 includes summary data for the Skillet Fork basin.

All tolerance status groups were represented among the predominant taxa in the various tributary systems, including aquatic and semi-aquatic Heteroptera (14), Chironomidae (7), Caenidae and *Physa* (6 each); Coenagrionidae, Coleoptera, Amphipoda, snails (non-*Physa*), other Diptera, Isopoda, and Oligochaeta (5 or less).

BIG CREEK (CB) (Appendix 4, Maps 48 and 49)

The six sites sampled in Big Creek were classified as semi-polluted. Aquatic Coleoptera were the predominant organisms collected, comprising 30% of all individuals taken. In addition Coenagrionidae and *Physa* were numerically important. The adjacent watershed was a combination of woodlots and forest, fields, and pasture. At the time of sampling the water level in the creek was very low and at most sites the creek was exposed to direct sunlight. The substrate was composed chiefly of sand and clay with some gravel.

The only discharging point source at the time of sampling was the Albion wastewater treatment plant. The effect of the effluent upon the stream cannot be accurately determined since the stream was dry upstream from the outfall. Two sites sampled downstream of the plant outfall, however, were classified as semi-polluted.

POND CREEK (CC) (Appendix 4, Maps 47 and 49)

Among seven stations sampled in the Pond Creek system, 29% were classified as unbalanced, 42% as semi-polluted, and 29% as polluted. Aquatic Oligochaeta were the predominant organisms observed, comprising 73% of the nearly 1,700 individuals collected. *Physa* were also numerically

Table 7. A summary by stream system of the number of stations sampled, station classifications, distributions of organisms among the four tolerance statuses, predominant organisms, and number and type of point sources sampled in the Skillet Fork basin.

STREAM SYSTEM	STREAM CODE	NUMBER STATIONS SAMPLED	STATION CLASSIFICATION					ORGANISMS				PREDOMINANT (% TOTAL)	POINT SOURCES ¹ NUMBER TYPE	
			NUMBER OF STATIONS (% TOTAL STATIONS)					TOTAL NUMBER						
			B	UB	SP	P	% TOTAL I M F T							
Skillet Fork	CA	9	0(0)	5(56)	4(44)	0(0)	11	11	56	22	587	Heteroptera Chironomidae	(44) (14)	1 WT
Wilson Creek	CAA	1	0(0)	0(0)	1(100)	0(0)	8	31	46	15	13	Isopoda Caenidae	(23) (23)	1 WT
Limekiln Creek	CAB	1	0(0)	1(100)	0(0)	0(0)	13	17	47	23	30	Heteroptera Chironomidae	(47) (13)	
Sevenmile Creek	CAC	2	1(50)	1(50)	0(0)	0(0)	56	10	15	19	108	Amphipoda Chironomidae	(46) (12)	
Beaver Creek	CAD	1	0(0)	0(0)	1(100)	0(0)	0	7	60	33	43	Snails (non- <i>Physa</i>) Diptera (other)	(30) (26)	1 WT
Prairie Creek	CAE	1	0(0)	1(100)	0(0)	0(0)	22	10	47	21	62	Caenidae Amphipoda	(31) (15)	1 WT
Southern Outlet Ditch	CAF	2	0(0)	1(50)	1(50)	0(0)	5	2	32	61	388	<i>Physa</i> Snails (non- <i>Physa</i>)	(55) (26)	1 WT
Main Outlet Ditch	CAG	22	3(14)	9(41)	10(45)	0(0)	14	17	49	20	1,240	Caenidae Heteroptera Coenagrionidae	(28) (12) (12)	1 WT
			0(0)	0(0)	1(100)	0(0)	3	<1	24	72	150	Chironomidae	(53)	

Stream System	Stream Code	Number Stations Sampled	Station Classification				% Total				Organisms		Predominant (% Total)	Point Sources ¹	
			Number of Stations (% Total Stations)								Total	Number		Number	Type
			B	UB	SP	P	I	M	F	T					
Skillet Fork	CA	9	0(0)	5(56)	4(44)	0(0)	11	11	56	22	587	Heteroptera Chironomidae	(44) (14)	1	WT
Wilson Creek	CAA	1	0(0)	0(0)	1(100)	0(0)	8	31	46	15	13	Isopoda Caenidae	(23) (23)	1	WT
Limekiln Creek	CAB	1	0(0)	1(100)	0(0)	0(0)	13	17	47	23	30	Heteroptera Chironomidae	(47) (13)		
Sevenmile Creek	CAC	2	1(50)	1(50)	0(0)	0(0)	56	10	15	19	108	Amphipoda Chironomidae	(46) (12)		
Beaver Creek	CAD	1	0(0)	0(0)	1(100)	0(0)	0	7	60	33	43	Snails (non- <i>Physa</i>) Diptera (other)	(30) (26)	1	WT
Prairie Creek	CAE	1	0(0)	1(100)	0(0)	0(0)	22	10	47	21	62	Caenidae Amphipoda	(31) (15)	1	WT
Southern Outlet Ditch	CAF	2	0(0)	1(50)	1(50)	0(0)	5	2	32	61	388	<i>Physa</i> Snails (non- <i>Physa</i>)	(55) (26)	1	WT
Main Outlet Ditch	CAG	22	3(14)	9(41)	10(45)	0(0)	14	17	49	20	1,240	Caenidae Heteroptera Coenagrionidae	(28) (12) (12)	1	WT
Haw Creek	CAH	1	0(0)	0(0)	1(100)	0(0)	3	<1	24	72	150	Chironomidae <i>Physa</i>	(53) (18)		
Dry Fork	CAJ	11	0(0)	9(82)	2(18)	0(0)	15	20	36	29	606	Coenagrionidae Heteroptera	(17) (16)	1	WT
Four Mile Creek	CAK	10	3(30)	3(30)	4(40)	0(0)	22	31	32	15	815	Coenagrionidae Heteroptera	(27) (15)	3	WT
Miller Creek	CAL	1	0(0)	0(0)	1(100)	0(0)	1	1	54	44	82	Coleoptera <i>Physa</i>	(48) (37)		
Horse Creek	CAN	14	0(0)	6(43)	7(50)	1(7)	10	12	25	53	880	Chironomidae Oligochaeta	(26) (22)	2	WT
Crooked Creek	CAO	1	0(0)	0(0)	1(100)	0(0)	9	12	35	44	34	<i>Physa</i> Heteroptera	(44) (18)		
Possum Creek	CAP	1	0(0)	0(0)	1(100)	0(0)	5	6	67	22	18	Heteroptera Coleoptera	(44) (22)		
Paddy Creek	CAQ	1	0(0)	0(0)	1(100)	0(0)	6	12	33	49	33	Chironomidae Caenidae	(45) (18)		
Brush Creek	CAR	7	0(0)	5(71)	2(29)	0(0)	24	25	38	13	636	Amphipoda Heteroptera	(20) (17)	1	WT
Turner Creek	CAS	1	0(0)	1(100)	0(0)	0(0)	15	35	35	15	105	Caenidae Coenagrionidae	(14) (13)	1	WT
Paintrock Creek	CAU	3	0(0)	1(33)	2(67)	0(0)	8	10	35	47	197	Heteroptera <i>Physa</i>	(33) (25)		
Fulton Creek	CAV	3	0(0)	0(0)	3(100)	0(0)	3	3	29	65	349	<i>Physa</i> Coleoptera Heteroptera	(54) (12) (12)	1	WT
Dums Creek	CAW	10	0(0)	8(80)	2(20)	0(0)	21	9	31	39	776	Chironomidae Heteroptera	(26) (21)		
Conner Branch	CAX	2	0(0)	2(100)	0(0)	0(0)	19	17	47	17	236	Heteroptera Coleoptera	(22) (18)		
Lost Fork	CAY	2	0(0)	2(100)	0(0)	0(0)	20	21	45	14	165	Heteroptera Coenagrionidae	(26) (18)	1	WT
Small Direct Tributaries	CAZ	9	0(0)	4(44)	5(56)	0(0)	8	23	51	18	703	Heteroptera Caenidae	(23) (16)	3	WT
TOTALS ²		116	7(6)	59(51)	49(42)	1(<1)	14	16	39	31	8,256	Heteroptera	(19)	19	WT

¹Many of the point sources listed did not discharge to a receiving stream. Details for each point source are contained in Appendix 1. WT = wastewater treatment discharge.

²Figures for stream classifications calculated from column totals; % of total organisms and predominant organisms calculated from column and line totals presented in Table 2 and Appendix 3.

important so that tolerant organisms comprised 87% of all individuals collected in the watershed.

The watershed was primarily agricultural with row crops and some pasture. However, there was some urban influence and oil fields were evident as well. Trees along the stream banks provided some slight shade, but most sites sampled were virtually unshaded. In addition, water levels were very low at the time of sampling.

Only the wastewater treatment plant of Fairfield discharged into the Pond Creek basin. The effect of the Fairfield discharge persisted downstream in Johnson Creek to its confluence with Pond Creek, approximately two miles from the outfall. There was no discharge from the Jasper Community Consolidated school at the time of sampling.

ELM RIVER (CD) (Appendix 4, Maps 43, 44, 46, 47, and 48)

Thirty-four sites were sampled in the Elm River system. Of these, 44% were classified as unbalanced, 53% as semi-polluted, and 3% as polluted. Over one-half of the 3,600 individuals collected were tolerant organisms with Chironomidae comprising 33% of the total. *Physa* were also numerically important.

Land use was primarily agricultural, devoted to some pasture and forest as well as row crops. One oil well was observed. Stream substrates were essentially mixtures of sand, mud, and clay. Water levels were very low at the time of sampling and the stream was generally unshaded by riparian vegetation.

Three of the six point sources in the Elm River watershed discharge several times per year; thus there was no effluent at the time of sampling. The other three, the wastewater treatment plants of Flora and Cisne, and the Charlie Brown Memorial Park exerted short-term effects upon the receiving streams. At Flora, the stream degraded from semi-polluted to polluted, at Cisne from unbalanced to semi-polluted, after the effluent entered the receiving stream. In both cases, however, stream conditions improved to the upstream classification within less than five stream miles of flow downstream. The upstream and downstream sampling sites of the Charlie Brown Memorial Park were both classified as unbalanced.

VILLAGE CREEK (CE) (Appendix 4, Map 48)

The four sites sampled in Village Creek were classified as semi-polluted. Aquatic Coleoptera and aquatic and semi-aquatic Heteroptera were the predominant organisms, comprising 31% and 18%, respectively, of the total number of individuals taken. The adjacent watershed was a combination of forest, pasture, and row crops. Predominant substrate types included mud and gravel. At the time of sampling the stream was apparently non-flowing and only partially shaded by riparian vegetation. There were no point sources discharging into Village Creek.

CLEAR POND CREEK (CF)
(Appendix 4, Map 48)

Of five stations sampled in Clear Pond Creek, one was classified as unbalanced and four as semi-polluted. Aquatic and semi-aquatic Heteroptera (22%) and aquatic Coleoptera (21%) were the predominant organisms collected. All sites were surrounded by agricultural land, primarily row crops and pasture. One marshy area was observed and an oil well also. Substrate materials were chiefly mud, clay, and gravel. The stream was non-flowing at the time of sampling and shaded approximately 50% to 75% by riparian vegetation. No point sources discharged into Clear Pond Creek.

SUGAR CREEK (CG)
(Appendix 4, Map 48)

The ten stations sampled in the Sugar Creek watershed were evenly divided between the unbalanced and semi-polluted classifications. At the sites stream shading ranged from virtually unshaded to totally shaded. The watershed was entirely in row crops with several woodlots observed. Stream flow was low, often appearing as stagnant. Substrates were primarily sand, mud, gravel, and silt. Predominant taxa were aquatic Coleoptera (25%) and aquatic and semi-aquatic Heteroptera (15%).

The Parkersburg School did not discharge into Sugar Creek at the time of sampling and the Calhoun Elementary School discharged into a sand filter.

FOX RIVER (CH)
(Appendix 4, Maps 42, 45, and 48)

Eighteen sites were sampled in the Fox River system. Of these, 50% were classified as unbalanced, 39% as semi-polluted, and 11% as polluted. The distribution of organisms among the four tolerance statuses was not even as 81% of the approximately 1,200 individuals collected were tolerant or facultative organisms. Moderate organisms were the least abundant, comprising only 8% of the individuals collected. Overall, Chironomidae (24%) and Oligochaeta (16%) were the predominant organisms.

The Olney wastewater treatment plant was the only effluent that exerted an effect upon its receiving stream, an unnamed tributary of the Fox River. Stream classification changed from semi-polluted upstream of the outfall to polluted immediately downstream. The Kincaide Mobile Home Park had no effect upon the receiving stream as both the upstream and downstream sampling sites were classified as unbalanced. Although the stream was classified as polluted downstream of the AMF Chrome Waste Wheelgoods outfall, conditions improved sufficiently by the time the stream had flowed two miles farther downstream to be classified as unbalanced. The Olney Homes, Inc. discharged to a lagoon and the Dundas Elementary School was not discharging at the time of sampling.

Land use adjacent to sampling sites varied widely. Although primarily agricultural and devoted to row crops, some pastures and small woodlots were apparent. The streams were generally at least 50% shaded by riparian

vegetation at most sampling sites. Substrate materials were chiefly mud, clay, and sand or gravel.

HOG RUN CREEK (CI)
(Appendix 4, Map 45)

This stream was essentially dry at the time of sampling. There was some flow which was the result of a thunderstorm within the previous 24-hour period. Consequently, only 17 organisms, primarily aquatic and semi-aquatic Heteroptera were collected.

BIG MUDDY CREEK (CJ)
(Appendix 4, Maps 42 and 44)

Of the 24 sites sampled in the Muddy Creek watershed, 62% were classified as unbalanced, 38% as semi-polluted. *Physa* and Chironomidae were the predominant organisms collected, comprising 18% and 17%, respectively. The adjacent watershed included forest, pasture, and row crops. Substrate materials included clay, mud, and sand. Extremely low flow conditions existed at all sampling sites in the watershed.

PANTHER CREEK (CK)
(Appendix 4, Maps 43 and 44)

The single site sampled in Panther Creek was classified as unbalanced. The site was surrounded by pasture and the stream was lightly shaded by riparian vegetation. The substrate was a mixture of mud, clay, and debris. There was apparently no flow at the time of sampling. The predominant organisms included Caenidae (33%) and Amphipoda (28%). No point source was discharging into Panther Creek.

DISMAL CREEK (CM)
(Appendix 4, Maps 41 and 43)

The three sites sampled in Dismal Creek were classified as unbalanced. The watershed was entirely agricultural with row crops predominating. Sand and mud were the chief substrate materials present. Facultative organisms were the most abundant, moderate the least. Overall, Chironomidae and Caenidae were the predominant macroinvertebrates collected in Dismal Creek, comprising 23% and 21%, respectively, of all organisms collected. No discharging point source was observed.

LUCAS CREEK (CN)
(Appendix 4, Maps 41 through 43)

Two stations were sampled, one classified as unbalanced and the other as semi-polluted. Chironomidae (28%) and Caenidae (20%) were the predominant organisms collected at these sites. The stream had probably

been dry the previous day with the flow observed the result of a brief thunderstorm during the previous 24-hour period. The adjacent watershed was primarily agricultural. Bottom materials were a combination of sand, gravel, and vegetative debris. There was no point source discharging into Lucas Creek.

BISHOP CREEK (CO) (Appendix 4, Maps 41 and 42)

Six stations, classified as semi-polluted, were sampled in Bishop Creek. Facultative and tolerant organisms comprised 81% of the organisms collected with Chironomidae (30%) and Caenidae (18%) as the predominant taxa observed.

Water levels were very low in Bishop Creek at the time of sampling. In many instances the water appeared stagnant. Low flow in combination with rather uniform substrates of sand and mud very likely contributed substantially to the semi-polluted classifications observed. No discharging point sources were located in the Bishop Creek watershed. Row crops and pasture were the primary land uses on the adjacent watershed.

SALT CREEK (CP) (Appendix 4, Maps 40, 41, and 42)

Of 14 sites sampled in the Salt Creek watershed, 29% were classified as unbalanced, 57% as semi-polluted, and 14% as polluted. Chironomidae were the predominant organisms collected, comprising 50% of all individuals taken. *Physa* were also numerically important so that tolerant organisms comprised nearly 75% of all individuals collected. Substrate materials were chiefly sand, mud, and, occasionally, gravel. Stream flow was very low, often appearing stagnant, at the time of sampling. The adjacent watershed was primarily agricultural, including row crops, pasture, and occasional woodlots or forest.

Four wastewater discharges were located in the Salt Creek watershed. The Teutopolis wastewater treatment plant and the Lincoln Lodge Motel both had upstream sites which were classified as unbalanced. Immediately downstream of their discharges, stream classifications were semi-polluted. In both instances, however, stream conditions improved to be classified as unbalanced within two miles flow downstream. The station upstream of the Effingham wastewater treatment plant outfall in an unnamed tributary was classified as polluted. The receiving stream was also classified as polluted downstream of its outfall. The effect of the Effingham effluent persisted in Salt Creek for at least six miles downstream. Conditions improved to be classified as unbalanced, with a decline in the total number of tolerant species. The diversity of the upstream areas above the outfall did not occur. The Watson wastewater discharged into an unnamed tributary of Salt Creek. Although no samples could be taken at the plant, the stream was classified as semi-polluted two miles downstream of the outfall. This effluent exerted a minimal effect upon water quality in Salt Creek, however, since the Salt Creek sampling sites at the mouth of the unnamed tributary and downstream nearly 10 miles were classified as unbalanced. Martin Country Meats discharged to evaporation lagoons without outlets.

FULFER CREEK (CQ)
(Appendix 4, Map 41)

Three sites were sampled in Fulfer Creek. Of these, one was classified as unbalanced, two as semi-polluted. Caenidae and aquatic and semi-aquatic Heteroptera were the predominant organisms collected, comprising 21% and 19%, respectively, of the individuals taken. The adjacent watershed of Fulfer Creek sites included row crops, pasture, and patches of forest or woodlots. At the time sampling was conducted, the water level in the stream was very low, often appearing as stagnant or non-flowing. The substrates were primarily mud, sand, and gravel.

BIG CREEK (CR)
(Appendix 4, Map 41)

Of seven sites sampled in the Big Creek watershed, five were classified as semi-polluted, and one each as unbalanced and polluted. *Physa* and Chironomidae were the predominant organisms collected, comprising 24% and 23%, respectively. Stream substrates included sand in combination with mud, gravel, and debris. The adjacent watershed was primarily agricultural with row crops and pasture predominating.

Two point sources were located in the Big Creek watershed, both wastewater treatment plants serving Altamont. One, on an unnamed tributary, degraded the downstream area and was probably responsible for the semi-polluted condition of Big Creek upstream of Coon Creek. The second point source, located on Coon Creek, resulted in the semi-polluted condition observed on that tributary.

GREEN CREEK (CS)
(Appendix 4, Map 40)

Two unbalanced sites were sampled in Green Creek. The only point source was the Siegel wastewater treatment plant which was not discharging at the time of sampling. In addition, the receiving stream was dry. The predominant organisms collected were Chironomidae (30%) and *Physa* (18%). Principal substrate materials included sand, gravel, and mud. The adjacent watershed was agricultural.

WEST BRANCH (CT)
(Appendix 4, Map 39)

Five stations were sampled in the West Branch watershed, 80% of which were classified as unbalanced and 20% as balanced. Aquatic and semi-aquatic Heteroptera and Decapoda were the predominant organisms collected, each comprising 19% of the total organisms collected. In general, the stations were represented by nine to 10 taxa, with intolerant taxa usually comprising approximately 25% of the organisms and facultative ones, 45%. Sand and mud were the primary substrate materials and flow was quite low at the time of sampling. The adjacent watershed was primarily agricultural.

The only discharge located in this watershed was the Stewardson Strasburg High School which was not discharging during the summer, the time of sampling.

BUSH CREEK (CU)
(Appendix 4, Map 39)

Only two stations were sampled in Bush Creek and both were classified as unbalanced. *Physa* was the most common organism, comprising 33% of the individuals collected. Aquatic and semi-aquatic Heteroptera were also abundant, comprising 24% of all individuals taken. Both stations sampled were located approximately 0.5 mi upstream of Lake Mattoon on separate tributaries. The substrates at both sites were primarily sand mixed with mud and debris. At the time of sampling the stream bottom was covered with thick algal mats. Although no point sources were located in this watershed, drain tiles from the surrounding agricultural fields were present at these sites and would discharge into the streams when the water table was high or during the spring rainy season.

SMALL DIRECT TRIBUTARIES OF THE LITTLE WABASH RIVER (CZ)
(Appendix 4, Maps 39, 40, 41, 43, 44, 47, 48, 49, 50, and 55)

Thirty-seven stations were sampled on 23 small, direct tributaries of the Little Wabash River. Of these, 38% were classified as unbalanced, 59% as semi-polluted, and 3% as polluted. Substrates were usually sand mixed with silt and/or gravel. There was an uneven distribution of organisms among the four tolerance status groups with facultative and tolerant taxa comprising 81% of the organisms collected. Predominant organisms included aquatic Coleoptera (15%), Chironomidae (13%), aquatic and semi-aquatic Heteroptera (13%), and *Physa* (12%). The adjacent watersheds of these small tributaries were primarily agricultural.

Of the point sources actually discharging at the time of sampling, the Crossville, Neoga, and Clay City wastewater treatment plants degraded water quality in the receiving stream immediately downstream from their respective outfalls. At the Neoga plant, the stream had recovered to be classified as unbalanced by the time the stream had flowed one mile downstream. The stream classification changed from unbalanced upstream of the Clay City outfall to semi-polluted downstream. The Rushco Shell at Edgewood cannot be evaluated adequately as the receiving stream was dry upstream from this outfall. However, as the flow immediately downstream was derived from this discharge, the stream classification of semi-polluted immediately downstream is not considered poor under the circumstances.

EFFECTS OF OIL POLLUTION

Water samples analyzed for chloride were taken from approximately 500 stations in the Wabash River basin to assist in determining what, if any, effect the presence of oil well operations (pumping, storing, etc.) had upon stream quality. Brine introductions to surface waters are a common water quality problem in oil field areas. It was hoped that these analyses, summarized in Appendix 5 (performed by Illinois Environmental Protection Agency personnel), would pinpoint some of these potential problem areas. Some sites were revisited after several months to determine if the effects of the more obvious oil pollution problems had been reduced.

Nearly all chloride concentrations observed were 200 mg/l or less with the majority less than 50 mg/l. As many of these samples, especially those in the upper portion of the basin, were taken during summer drought, concentrations could be expected to be higher as water levels dropped. In general, however, concentrations were quite variable with little or no pattern either among major watersheds, within a stream system, or even among various sites within a stream.

Stations where concentrations exceeded 250 mg/l were double-checked to determine, if possible, the reason for an observed high chloride concentration. Of the nearly 500 samples analyzed, only 38 exceeded 250 mg/l. Of these, many could be an artifact of sampling during periods of very low water levels. Reviewing field data sheets revealed that very often these streams were becoming discontinuous and the water was only two or three inches deep. Also, because this is a rich oil-containing watershed, background concentrations might naturally be higher.

Stations for which chloride concentrations exceeded 250 mg/l, but for which no evidence of oil pollution or production existed, were not included in Table 8, which summarizes the stations where either crude oil was seen, active wells or storage areas were in the adjacent watersheds, or oil was observed either as a film on the surface of the water or in the substrate. Thus, many stations were not considered after reviewing the field data sheets. Generally, these were sites that occurred immediately downstream from a wastewater outfall where little or no dilution water existed or at stream sites where flow was reduced to several small, isolated pools.

Several problem areas, however, were observed. These included the following watersheds:

Crawfish Creek (BZJ); Wabash County; near Allendale; Map 52
 Raccoon Creek (BZK); Wabash County; near Allendale; Map 52
 Indian Creek (BEZB); Lawrence County; near Bridgeport; Maps 32, 33
 Little Vermilion River (BOZ); Vermilion River; near Georgetown;
 Map 12
 Dry Fork (CAJ); Wayne County; near Sims; Map 61
 Sugar Creek (BF); Crawford County; near Palestine; Map 37
 Bonpas Creek (BC); Richland County; near Lancaster; Map 51
 Gowdy Creek (CAZA); White County; near Enfield; Maps 63, 64
 Pond Creek Drainage Ditch (CC); Wayne County; near Burnt Prairie;
 Map 49

Table 8. Stations in the Wabash River basin where either high chloride concentrations, crude oil, active oil wells or storage areas, or oil present in the stream were observed.

STATION NUMBER	STREAM	DATE	CHLORIDE (mg/l)	STREAM CLASSIFICATION	CRUDE OIL PRESENT	ACTIVE OIL WELLS OR STORAGE	OIL PRESENT ON WATER OR IN SUBSTRATE	AGRICULTURAL WATERSHED
BC-11	Bonpas Creek	06/10/77	18	Unbalanced	X	X	X	X
BCE-10	Little Bonpas Creek	06/10/77	24	Unbalanced	X	-	-	X
BEA-10	Muddy Creek	06/09/77	3,700	Unbalanced	-	-	X?	X
BEABA-10	Bugaboo Creek	06/10/77	27	Unbalanced	-	-	X	X
BEAC-10A	Shirley Creek	06/08/77	32	Semi-Polluted	-	-	X	X
BEAC-10B	Shirley Creek	10/11/77	17	Semi-Polluted	-	-	-	X

STATION NUMBER	STREAM	DATE	CHLORIDE (mg/l)	STREAM CLASSIFICATION	CRUDE OIL PRESENT	ACTIVE OIL WELLS OR STORAGE	OIL PRESENT ON WATER OR IN SUBSTRATE	AGRICULTURAL WATERSHED
BC-11	Bonpas Creek	06/10/77	18	Unbalanced	X	X	X	X
BCE-10	Little Bonpas Creek	06/10/77	24	Unbalanced	X	-	-	X
BEA-10	Muddy Creek	06/09/77	3,700	Unbalanced	-	-	X?	X
BEABA-10	Bugaboo Creek	06/10/77	27	Unbalanced	-	-	X	X
BEAC-10A	Shirley Creek	06/08/77	32	Semi-Polluted	-	-	X	X
BEAC-10B	Shirley Creek	10/11/77	17	Semi-Polluted	-	-	-	X
BED-12	Big Creek	05/19/77	36	Unbalanced	-	-	X	X
BEDA-10	Little Creek	06/12/77	1,600	Balanced	-	-	X	X
BEDB-10	Dogwood Creek	06/12/77	230	Unbalanced	-	X	X	X
BFDB-11	Dogwood Creek	05/19/77	150	Semi-Polluted	-	-	X	X
REF-03	North Fork Embarras	05/20/77	140	Unbalanced	-	-	X	X
BEF-19	North Fork Embarras	05/19/77	140	Unbalanced	-	-	X	X
BEG-10A	Crooked Creek	05/20/77	120	Balanced	-	X	X	-
BEG-10B	Crooked Creek	10/12/77	42	Unbalanced	-	X	X	-
BEPDAZ-10	Unnamed tributary Hickory Grove	10/08/76	-	Semi-Polluted	X	X	X	X
BEZB-10	Indian Creek	06/08/77	24	Semi-Polluted	-	-	X	X
BEZB-11	Indian Creek	06/08/77	39	Semi-Polluted	X	Marathon Oil storage	X	-
REZB-12	Indian Creek	06/08/77	1,100	Semi-Polluted	X	-	X	-
BEZC-10	Otter Pond Ditch	06/09/77	13	Semi-Polluted	-	-	X	X
BF-01	Sugar Creek	05/26/77	550	Polluted	X	-	X	X
BF-11A	Sugar Creek	05/26/77	500	Semi-Polluted	X	-	X	X
BF-11B	Sugar Creek	10/11/77	288	Semi-Polluted	-	-	X	X
BFZ-10	Unnamed tributary Sugar Creek	05/26/77	390	Semi-Polluted	X	Marathon Oil storage	-	-
BFZ-11A	Unnamed tributary	05/25/77	430	Polluted	X	X	X	X
BFZ-11B	Sugar Creek	10/11/77	430	Semi-Polluted	-	-	X	X
BH-01A	Mill Creek	06/03/77	16	Unbalanced	-	-	X	X
BH-01B	Mill Creek	10/12/77	15	Unbalanced	-	-	-	X
BOZ-12A	Unnamed tributary	10/06/76	-	Polluted	X	-	X	-
BOZ-12B	Little Vermilion	10/08/76	-	Polluted	X	-	X	-
BOZ-13	Unnamed tributary Little Vermilion	10/08/76	-	Polluted	-	-	X	-
BZ-13	Unnamed tributary Wabash River (by Allendale)	06/09/77	520	Balanced	-	-	X	-
BZJZ	Unnamed tributary Crawfish Creek	09/15/77	2,100	Dry	X	X	X	-
BZJZ-10	Unnamed tributary Crawfish Creek	06/08/77	580	Unbalanced	-	X	X	-
BZJZ-11A	Unnamed tributary	06/08/77	1,940	Unbalanced	-	-	X	X
BZJZ-11B	Crawfish Creek	09/15/77	1,350	Unbalanced	-	-	X	X
BZK-10A	Raccoon Creek	06/09/77	110	Unbalanced	X	X	X	-
BZK-10B	Raccoon Creek	09/15/77	122	Balanced	X	X	X	-
BZKA-11	Big Slough	06/09/77	(550)	Semi-Polluted	-	X	-	X
CAJ-12	Dry Fork	07/09/77	270	Semi-Polluted	-	-	X	X
CAJ-14A	Dry Fork	07/09/77	150	Unbalanced	-	-	X	X
CAJ-14B	Dry Fork	09/16/77	4,900	Semi-Polluted	-	-	X	X
CANBA-10	Bear Creek	06/22/77	1,150	Semi-Polluted	-	X	-	-
CAZA	Gowdy Creek	08/27/77	15	Dry	X	-	-	-
CAZCZ-10	Unnamed tributary Eagle Slough Ditch	07/10/77	190	Unbalanced	-	X	-	-
CC	Pond Creek Drainage Ditch	08/05/77	-	Dry	X	-	-	X
CC-10	Pond Creek Drainage Ditch	08/04/77	77	Semi-Polluted	-	X	-	-
CD-12	Elm River Drainage Ditch	07/28/77	119	Semi-Polluted	-	X	X	X
CD-14	Elm River Drainage Ditch	07/19/77	50	Semi-Polluted	-	X	-	X
CD-16	Elm River Drainage Ditch	07/10/77	47	Semi-Polluted	-	X	-	-
CDD-10	Endsley Creek	07/19/77	120	Semi-Polluted	-	X	-	-
CDZ-12	Unnamed tributary Elm River	07/21/77	212	Semi-Polluted	-	X	-	-
CFAA-10	Gum Branch	07/21/77	17	Semi-Polluted	-	X	-	-
CG-11	Sugar Creek	08/02/77	60	Unbalanced	-	X	-	-
CGZ-10	Unnamed tributary Sugar Creek	07/29/77	61	Semi-Polluted	-	X	-	-
CJA-11	Little Muddy River	07/09/77	176	Unbalanced	X	-	X	-
CPA-10	Little Salt Creek	06/23/77	13	Semi-Polluted	X	-	X	-
CPZ-12	Unnamed tributary Salt Creek	06/23/77	31	Polluted	-	-	X	-
CZA-10	Lick Creek	08/10/77	256	Semi-Polluted	-	X	-	-
CZZFA-10	Grove Creek	07/21/77	-	Semi-Polluted	-	X	-	-

Little Muddy Creek (CJA); Clay County; near Sailor Springs; Map 44
Little Salt Creek (CPA); Effingham County; near Watson; Maps 41, 42

High chloride concentrations were not a reliable indicator of the presence or absence of oil pollution. For example, chloride concentrations were high (580 to nearly 2,000 mg/l) in an unnamed tributary of Crawfish Creek (BZJZ) and oil was present in the sediments. Crude oil, however, occurred at sites in Raccoon Creek (BZK) with low concentrations of chloride (<125 mg/l). This inconsistency in chloride concentration in the presence or absence of oil pollution was consistent (Table 8). Chloride concentrations were just as likely to be low to moderate in the presence of gross to light oil pollution as not.

LITERATURE CITED

Allen, J. S.

1969. Hamilton County surface water resources. Illinois Dept. Cons., Div. Fish., Springfield. 43 pp.

1971. Gallatin County surface water resources. Illinois Dept. Cons., Div. Fish., Springfield. 53 pp.

Fisher, R. E.

1968. Wayne County surface water resources. Illinois Dept. Cons., Div. Fish., Springfield. 42 pp.

1969a. Clay County surface water resources. Illinois Dept. Cons., Div. Fish., Springfield. 40 pp.

1969b. Edwards County surface water resources. Illinois Dept. Cons., Div. Fish., Springfield. 41 pp.

1970a. Richland County surface water resources. Illinois Dept. Cons., Div. Fish., Springfield. 45 pp.

1970b. Jasper County surface water resources. Illinois Dept. Cons., Div. Fish., Springfield. 42 pp.

1971. Jefferson County surface water resources. Illinois Dept. Cons., Div. Fish., Springfield. 40 pp.

Fisher, R. E., and H. P. Brown.

1971a. Crawford County surface water resources. Illinois Dept. Cons., Div. Fish., Springfield. 44 pp.

1971b. Lawrence County surface water resources. Illinois Dept. Cons., Div. Fish., Springfield. 54 pp.

Horner, R. W.

1969. Champaign County surface water resources. Illinois Dept. Cons., Div. Fish., Springfield. 55 pp.

1970a. Moultrie County surface water resources. Illinois Dept. Cons., Div. Fish., Springfield. 47 pp.

1970b. Cumberland County surface water resources. Illinois Dept. Cons., Div. Fish., Springfield. 52 pp.

1970c. Shelby County surface water resources. Illinois Dept. Cons., Div. Fish., Springfield. 56 pp.

1971a. Douglas County surface water resources. Illinois Dept. Cons., Div. Fish., Springfield. 52 pp.

1971b. Coles County surface water resources. Illinois Dept. Cons., Div. Fish., Springfield. 59 pp.

- 1971c. Edgar County surface water resources. Illinois Dept. Cons., Div. Fish., Springfield. 49 pp.
- Horner, R. W., and K. L. Brummett.
1972. Vermilion County surface water resources. Illinois Dept. Cons., Div. Fish., Springfield. 68 pp.
- Horton, R. E.
1945. Erosional development of streams and their drainage basins; hydrophysical approach to quantitative morphology. Bull. Geol. Soc. Amer. 56:275-370.
- Karr, J. R., and O. T. Gorman.
1975. Effects of land treatment on the aquatic environment, pp. 120-150. *In* Non-point source pollution seminar, section 108(a) demonstration projects progress reports. Rept. No. EPA-905/9-75-007.
- Lockhart, R.
1968. Fayette County surface water resources. Illinois Dept. Cons., Div. Fish., Springfield. 45 pp.
1969. Effingham County surface water resources. Illinois Dept. Cons., Div. Fish., Springfield. 41 pp.
- Morisawa, M.
1957. Accuracy of determination of stream lengths from topographic maps. Trans. Amer. Geophys. Union 38:86-88.
- Smith, P. W.
1961. The amphibians and reptiles of Illinois. Illinois Nat. Hist. Surv. Bull. 28(1):1-198.
- Strahler, A. N.
1954. Quantitative geomorphology of erosional landscapes. 19th Internat. Geol. Cong. Sec. 13:341-354.
1957. Quantitative analysis of watershed geomorphology. Trans. Amer. Geophys. Union 38:913-920.
- U. S. Department of Commerce, National Oceanic and Atmospheric Administration, Environmental Data Service.
1976. Climatological data, Illinois, annual summary 1976. Asheville, North Carolina. 81(13):1-14.
1977. Climatological data, Illinois, annual summary 1977. Asheville, North Carolina. 82(13):1-14.
- Vestal, A. G.
1931. A preliminary vegetation map of Illinois. Trans. Illinois State Acad. Sci. 23(3):204-217.
- Zebrun, G.
1970. Ford County surface water resources. Illinois Dept. Cons., Div. Fish., Springfield. 34 pp.

APPENDIX 1

POINT SOURCES INVESTIGATED AND/OR
SAMPLED IN THE WABASH RIVER BASIN

MAP NUMBER	INHS	POINT SOURCE	STREAM CODE AND IEPA POINT SOURCE		COMMENTS	SAMPLING STATIONS	
	POINT SOURCE MAP NUMBER		MAP NUMBER	A-1		C-1	
SEGMENT A-01							
7	1	Rantoul East wastewater treatment plant	BPJE, 1			BPJE-16	BPJE-15
7	2	Chanute Air Force Base chemical waste disposal 001 and 002	BPJEC, 2	No discharge at time of sampling		BPJE-16	BPJE-15
7	3	Chanute Test Cell Dom	BPJEC, 3			BPJEC-15	BPJEC-13
7	4	Chanute South wastewater treatment plant	BPJEC, 4			BPJEC-15	BPJEC-13
7	5	Country Manor mobile home park	BPJC, 5			BPJC-18	BPJC-17
8	6	Beatrice Food, Champaign, chemical waste disposal	OZZY, 6	Discharges into Kaskaskia River basin			OZZY-10
8	7	Illinois Central Gulf railroad, Champaign	BPJCA, 7			BPJCA-12	BPJCA-11
8	8	National Protein 001 and 002	BPJCE, 8	A-1 location is an underground tile			BPJCE-10
8	9	Twin Orchard trailer park, Levinson	BPJC, 9			BPJC-16	BPJC-15
8	10	Urbana-Champaign Main wastewater treatment plant	BPJC, 10			BPJC-04	BPJC-14
8	11	St. Joseph wastewater treatment plant	BPJ, 11			BPJ-04	BPJ-20
8	12	Sidney Elementary School	BPJ, 12	No discharge at time of sampling			BPJ-13
10	13	Oakwood wastewater treatment plant	BPJ, 13			BPJ-18	BPJ-03
10	14	Camp Drake, Boy Scouts of America	BPJ, 14			BPJ-03	BPJ-17
SEGMENT A-02							
2	15	Paxton wastewater treatment plant	BPKZ, 1			Dry	BPKZ-15
3	16	Wescove Christian High School	BPKZ, 2			Dry	BPKZ-12
3	17	Vistron-Sohigro, Potomac	BPKZ, 3	No discharge at time of sampling		Dry	Dry
3	18	Potomac Community Unit 10	BPKI, 4			BPKI-11	BPKI-10
4	19	Illinois Power Company septic system, Vermilion ash, Vermilion reservoir	BPKZ, 5				
4	20	Newton School	BPKZ, 6	No discharge at time of sampling			
4	21	Skelly Oil, Oakwood, 001	BPKA, 7	No discharge at time of sampling		Dry	Dry
SEGMENT A-03							
5	22	Joan of Arc No. 1: chemical waste disposal 001 and 002, BB 003	BPGD, 1	No discharge at time of sampling			BPGD-11
5	23	American Can Company 80-001	BPG, 2	Effluent goes to Danville storm sewer			
5	24	Stokely Van Camp, Hoopeston	BPG, 3	No discharge at time of sampling			BPGD-11
5	25	Joan of Arc No. 1: chemical waste disposal 001 and 002, Sp 1rr	BPG, 4	No discharge at time of sampling			BPGD-11
5	26	Essex International chemical waste disposal	BPGD, 5	No discharge at time of sampling		BPGD-11	BPGD-12

MAP NUMBER	INHS	POINT SOURCE	STREAM CODE AND		COMMENTS	SAMPLING STATIONS	
	POINT SOURCE		IEPA POINT SOURCE	MAP NUMBER		A-1	C-1
SEGMENT A-03							
5	27	Hoopeston Municipality	BPGD, 6			BPGD-11	BPGD-10
5	28	Rossville Packing Company	BPG, 7				BPG-21
6	29	Bohn Al and Brass Corporation	BPFB, 8			Dry	BPFB-11
6	30	Esco Corporation	BPF, 9	Effluent goes to Danville storm sewer			
6	31	Lauhoff Grain	BPF, 10				BPF-11
6	32	General Motors chemical waste disposal	BP, 11	Investigated by IEPA officials			
6	33	Tilton wastewater treatment plant	BP, 12	No discharge at time of sampling			
6	34	Diamond Elementary School	BP, 13	Effluent does not reach river			
6	35	Lawndale Mobile Home Park	BP, 14	No discharge at time of sampling			
6	36	Moose Lodge 1001	BP, 15	Discharges to septic field			
6	37	General Electric, Danville	BPFB, 16				
6	38	Redwood Inn, Danville	BQ, 17	No discharge at time of sampling			
6	39	Votec Nursing Home	BP, 18	Effluent does not go to stream			
6	40	Shady Acres Mobile Home Park	BPE, 19			BPE-13	BPE-12
6	41	Danville SD 001 and 003	BP, 20				BP-01
6	42	Agrico Chemical Company, Danville	BPE, 21	Now called Lebanon Chemical Company		BPE-14	BPE-13
6	43	Peterson-Puritan, Inc.	BPE, 22	No discharge at time		BPE-15	BPE-14
6	44	Catlin wastewater treatment plant	BPIZ, 23			BPIZ-12	BPIZ-11
6	45	Westville-Belgium SD	BPZ, 24			BPE-12	BPE-11
6	46	Estad Products, Inc.	BPE, 25	Discharges to drainage field			
SEGMENT A-04							
12	47	Georgetown wastewater treatment plant	BOZ, 1			BOZ-11	BOZ-10
12	48	Ridge Farm wastewater treatment plant	BOZ, 2			Dry	BOZ-13
12	49	Chrisman wastewater treatment plant	BNB, 3			BNB-14	BNB-13
13	50	Paris North wastewater treatment plant	BM, 4			BM-19	BM-18
13	51	Paris South wastewater treatment plant	BM, 5			BM-17	BM-16
13	52	Sycamore Hills Country Club	BM, 6			BM-15	BM-14
13	53	Unarco Industries, Inc. chemical waste disposal, Paris	BMC, 7	Discharges to lagoon with no outlet		Dry	Dry
13	54	Unarco recirculation lagoon	BMC, 8	Lagoon lacks outlet		Dry	Dry
SEGMENT A-05							
15	55	Savoy wastewater treatment plant	BEE, 1			BEE-11	BEE-10

MAP NUMBER	INHS	POINT SOURCE	STREAM CODE AND		COMMENTS	SAMPLING STATIONS	
	POINT SOURCE		IEPA POINT SOURCE	MAP NUMBER		A-1	C-1
SEGMENT A-05							
15	56	University of Illinois, Willard Airport	BEZ,	2		Dry	BEZ-12
15	57	Unity High School, Tolono	BERB,	3		Dry	Dry
15	58	Tolono wastewater treatment plant	BERB,	4		BERB-15	BERB-14
16	59	Villa Grove wastewater treatment plant	BES,	5		Dry	BES-1
16	60	Tuscola wastewater treatment plant North	BERBA,	6		BERBA-12	BERBA-11
16	61	Cabot Corporation, Tuscola	BERZ,	7		Dry	BERZ-13
16	62	Tuscola wastewater treatment plant South	BER,	8		BER-14	BER-13
16	63	Alvis Standard Service	BERBA,	9		BERBA-11	BERBA-10
17	64	Arcola wastewater treatment plant	BERZ,	10		Dry	BERZ-12
19	65	Carter Care Home, Redmon	BEXZZ,	11	No discharge at time of sampling	Dry	Dry
19	66	Shiloh School	BEX,	12	No discharge at time of sampling	Dry	Dry
16	67	Newman Manor Nursing Home	BEX,	13	Now Continental Manor Nursing Home		BEX-13
17	68	Oakland School District No. 5	BEUZ,	14	No discharge at time of sampling	Dry	Dry
18	69	B & C Farms, Ashmore	BEPA,	15	No discharge at time of sampling	Dry	Dry
18	70	Francis Mobile Home Park	BEZ,	16		Dry	BEZ-14
SEGMENT A-06							
22	71	Misty Acres Mobile Home Park	BEO,	1	Now L & L Mobile Home Park, no discharge at time of sampling	Dry	Dry
22	72	Ashmore Elementary School District No. 1	BEO,	2	No discharge at time of sampling	Dry	Dry
25	73	Lone Oak Mobile Home Park	BEZ,	3	Discharges to septic tank		
21	74	Charleston Community Unit No. 1	BENZ,	4	Discharges to septic field		
21	75	Anaconda Brass, Mattoon	BENAZ,	5		Dry	BENAZ-10
21	76	Town-N-Country Motel, Charleston	BENAA,	6	Discharges to sand filter	Dry	Dry
21	77	Steve's Steakhouse	BENA,	7	No discharge at time of sampling	Dry	Dry
21	78	Charleston wastewater treatment plant	BENAA,	8		BENAA-11	BENAA-10
21	79	Mattoon wastewater treatment plant 001 and 012	BEN,	9	001 used only in heavy rain	BEN-14	BEN-13
21	80	Coles County Memorial Airport	BEN,	10	No discharge at time of sampling	Dry	Dry
21	81	Fox Ridge State Park	BEZ,	11	No discharge at time of sampling	Dry	Dry
21	82	Lincoln Log Cabin State Park	BEJC,	12	Discharges to sand filter	Dry	Dry
23	83	Toledo wastewater treatment plant	BEJCZ,	13		Dry	BEJCZ-10
24	84	Cumberland Elementary and High Schools	BEZ,	14		Dry	BEZ-15

MAP NUMBER	INHS	POINT SOURCE	STREAM CODE AND	COMMENTS	SAMPLING STATIONS	
	POINT SOURCE		IEPA POINT SOURCE		A-1	C-1
MAP NUMBER	MAP NUMBER		MAP NUMBER			
SEGMENT A-06						
24	85	Greenup wastewater treatment plant	BEZ, 15		BEZ-17	BEZ-16
21	86	General Electric, Mattoon	BEN, 17		BEN-17	BEN-16
SEGMENT A-07						
26	87	Martinsville wastewater treatment plant	BEFG, 1		BEFG-11	BEFG-10
26	88	Casey East wastewater treatment plant	BEFE, 2		Dry	BEFE-12
26	89	Casey West wastewater treatment plant	BEFE2, 3		Dry	BEFE2-10
26	90	Martinsville District C-3 SO	BEFA, 4		Dry	BEFA-15
28	91	Martinsville District C-3 OR	BEFA, 5			BEFA-14
28	92	Oblong wastewater treatment lagoon	BEDB, 6		Dry	BEDB-11
27	93	Newton wastewater treatment lagoon	BEZJ, 8		Dry	BEZJ-10
27	94	Newton wastewater treatment plant	BE, 9			BE-36
29	95	St. Marie School No. 10	BE, 10	No discharge at time of sampling	Dry	Dry
30	96	New Hebron School	BEC, 11	No discharge at time of sampling		
31	97	Flat Rock wastewater treatment plant	BEBZ, 12		BEBZ-11	BEBZ-10
32	98	Sumner wastewater treatment plant	BEA, 13		Dry	BEA-12
32	99	Red Hills State Park South	BEAZ, 15			
32	100	Red Hills State Park North	BEAZ, 14			
31	101	Lawrenceville-Vincennes Airport	BEZA, 16		BEZA-11	BEZA-12
31	102	Brookside School	BEBA, 17	No discharge at time of sampling	Dry	Dry
31	103	Lawrenceville wastewater treatment plant	BE, 18		BE-44	BE-45
31	104	Texaco, Inc., 001 and 002	BE, 19		BE-45	BE-01
32	105	Bridgeport wastewater treatment plant	BEZB, 20		BEZB-12	BEZB-11
29	106	St. Marie wastewater treatment plant	BE, 21	No discharge at time of sampling	BE-37	BE-38
SEGMENT A-08						
57	107	Forbes State Park	CAY, 1	Discharges to septic field		
57	108	Iuka Community Consolidated School	CAVA, 2	Discharges to sand pit		
58	109	Xenia School	CAZE, 3	Effluent goes to city treatment system		
58	110	Clay County Housing	CAR, 4	Effluent goes to city treatment system		
58	111	Orchardville Community School	CAS, 5	Discharges to sand filter		
60	112	Berry Community Consolidated School	CAJC, 6	Discharges to sand filter		
60	113	Farrington Community Consolidated School District No. 99	CANZ, 7	Discharges to sand filter	Dry	Dry

MAP NUMBER	INHS POINT SOURCE MAP NUMBER	POINT SOURCE	STREAM CODE AND IEPA POINT SOURCE MAP NUMBER	COMMENTS	SAMPLING STATIONS	
					A-1	C-1
SEGMENT A-08						
60	114	Wayne City wastewater treatment plant SE	CAKZ, 8	No discharge from 4 lagoons at time of sampling		
60	115	Bluford wastewater treatment plant	CANBA, 9	No discharge at time of sampling	Dry	Dry
60	116	Webber Township High School	CAK, 10	No discharge at time of sampling	Dry	Dry
60	117	Bluford Elementary School	CAK, 11	Discharges to sand pit		
61	118	New Hope Community Consolidated School	CA, 12	Discharges to sand pit		
62	119	Dahlgren Community School	CAGBZ, 13	No discharge at time of sampling		CAGBZ-16
64	120	Mills Prairie School	CAE, 14	Discharges to sand filter		
63	121	Beaver Creek School No. 10	CAFZ, 15	Discharges to sand filter		
63	122	Gray Memorial Nursing Home	CAD, 16	Never opened		
63	123	Enfield (A) 001 wastewater treatment plant	CACA, 17	No discharge at time of sampling	Dry	Dry
64	124	Enfield (B) 002 wastewater treatment plant	CACA, 18	No discharge from lagoon at time of sampling		
64	125	Centerville School, Carmi No. 5	CAA, 19	Discharges to sand filter		
SEGMENT A-09						
39	126	Kraft Foods, Mattoon, chemical waste disposal	C, 1	Discharges to Mattoon wastewater treatment plant		
39	127	Neoga wastewater treatment plant	CZX, 2		CZXZ-11	CZXZ-10
39	128	Stewardson-Strasburg High School	CTB, 3	No discharge at time of sampling		
40	129	Sigel wastewater treatment plant	CSC, 4	No discharge at time of sampling	Dry	Dry
50	130	Big Prairie School, Carmi No. 5	CC, 5	No discharge at time of sampling	Dry	Dry
50	131	Baptist Childrens Home	CC, 6	No discharge at time of sampling	Dry	Dry
40	132	Teutopolis wastewater treatment plant	CPC, 7		CPC-11	CPC-10
40	133	Lincoln Lodge Motel	CPZ, 8		Dry	CPZ-13
40	134	Effingham wastewater treatment plant	CPZ, 9		CPZ-12	CPZ-11
40	135	Effingham Highway Garage	C, 10	Discharges to pond		
40	136	Truckomat Truck Wash	CC, 11	No discharge at time of sampling		
40	137	Travelodge Motel	CC, 12	Effluent does not reach any stream		
41	138	June Lake Campground, Route 4, 001 and 002	CER, 13	No discharge at time of sampling		

MAP NUMBER	INHS	POINT SOURCE	STREAM CODE AND	COMMENTS	SAMPLING STATIONS	
	POINT SOURCE		IEPA POINT SOURCE		A-1	C-1
MAP NUMBER	POINT SOURCE MAP NUMBER	POINT SOURCE	MAP NUMBER			
SEGMENT A-09						
41	139	Illinois Department of Transportation I-70 Dexter rest area	CZQZ, 14	No discharge at time of sampling	Dry	Dry
41	140	Altamont N wastewater treatment plant	CRB, 15		Dry	CRB-10
41	141	Altamont S wastewater treatment plant	CRZ, 16			CRZ-10
41	142	IGA Food Locker, Martin Plant	CPZ, 17	Now called Martin Country Meats; no discharge, only evaporation lagoons		
41	143	Illinois Disciples of Christ	COZ, 18	Now called Walter Scott Corporation, no discharge from lagoon at time of sampling	Dry	Dry
41	144	Rushco Shell, Edgewood	CZZZ, 19			
43	145	Iola Elementary School	CZG, 20	No discharge at time of sampling		
43	146	Louisville wastewater treatment plant	C, 21			
46	147	Lincoln Community School No. 30	CDFZ, 22	No discharge at time of sampling		
46	148	Charlie Brown Memorial Park	CDFZ, 23			
46	149	Sparton Manufacturing Company	CDG, 24	No discharge at time of sampling		
46	150	Flora wastewater treatment plant	CDG, 25		CDG-12	CDG-11
44	151	Clay City wastewater treatment plant	CZ, 26			
42	152	CIPS-Newton Power Plant	CJEB, 27	Now called Walter Scott Camp, no discharge from lagoon at time of sampling		
45	153	Dundas Elementary School	CHH, 28	No discharge at time of sampling		CHH-11
45	154	Kincade Mobile Home Park, Olney	CH, 29		CH-13	CH-03
45	155	Olney Homes, Inc.	CHEAZ, 30	Discharges into lagoon	CHEAZ-12	CHEAZ-11
45	156	Olney wastewater treatment plant	CHZ, 31		CHZ-11	CHZ-10
45	157	AMF Chrome Waste 001 and wheel-goods chemical waste disposal 002	CHEAZ, 32			CHEAZ-10
45	158	Noble wastewater treatment plant	CZY, 33	Discharges into lagoon		
45	159	Calhoun Elementary School	CG, 34	Discharges to sand filter		
48	160	Parkersburg School	CGAB, 35	No discharge at time of sampling		CGAB-11
47	161	Cisne wastewater treatment plant	CDBZ, 36		CDBZ-12	CDBZ-11
47	162	Harpers Valley Campground	CDA, 37	Discharges to sand filter		
47	163	Jasper Community Consolidated School	CC, 38	No discharge at time of sampling		CDA-10
47	164	Fairfield wastewater treatment plant	CCZ, 39		CCA-13	CCA-12
48	165	Albion wastewater treatment plant	CBBZ, 40		Dry	CBBZ-12
49	166	Crossville wastewater treatment plant	CZ, 41		Dry	CZ-12

MAP NUMBER	INHS	POINT SOURCE	STREAM CODE AND IEPA POINT SOURCE		COMMENTS	SAMPLING STATIONS	
	POINT SOURCE MAP NUMBER		MAP NUMBER	A-1		C-1	
SEGMENT A-09							
50	167	Carmi wastewater treatment plant	C, 42			C-22	C-21
50	168	Brownsville School, Carmi No. 5	CZB, 43	No discharge at time of sampling		Dry	Dry
41	169	Watson wastewater treatment plant	CPZ, 44				CPZ-10
SEGMENT B-01							
35	170	Marathon Station, Marshall	BJZ, 1			BJZ-10	BJZ-11
35	171	Illinois Department of Transporta- tion I-70 rest area	BJD, 2	No discharge at time of sampling			BJD-10
35	172	Marshall East wastewater treatment plant	BJAZ, 3			BJAZ-11	BJAZ-10
35	173	Marshall West wastewater treatment plant	BHFZ, 4			BHFZ-11	BHFZ-10
35	174	Lazy G Village Mobile Home Park	BHF, 5	No discharge at time of sampling			BHF-11
35	175	Lincoln Trail State Park	BHD, 6	Discharges into lake			BHD-10
36	176	Wilderness Lake Campground	BGA, 7	Discharges into lagoon			
36	177	CIPS, Hutsonville	B, 8				
36	178	Hutsonville wastewater treatment plant	B, 9			BZO-11	BZO-10
37	179	Robinson Ind. lagoon	BFZ, 10			BFZ-13	BFZ-12
37	180	Robinson wastewater treatment plant	BFZ, 11			BFZ-20	BFZ-19
37	181	Robinson Country Club	BFZ, 12	Now Crawford County Country Club, discharges to lake with no outlet			
37	182	Briggs Manufacturing Company, Robinson	BFZ, 13			BFZ-18	BFZ-17
37	183	Marathon Oil Company, Robinson	BFZ, 14	Discharges to stream via a pipe with no access to point of discharge		BFZ-16	BFZ-11
37	184	Lincoln Trail College	BFZ, 15	No discharge at time of sampling			BFZ-11
37	185	Palestine wastewater treatment plant	BFB, 16			BFB-11	BFB-10
SEGMENT B-02							
51	186	Claremont Elementary School	BC, 1	No discharge at time of sampling		Dry	Dry
51	187	West Salem North wastewater treatment plant	BCDZ, 2			Dry	BCDZ-10
51	188	West Salem South wastewater treatment plant	BCCZ, 3			Dry	BCCZ-10
52	189	St. Francisville SE lagoon	B, 4	No discharge at time of sampling			
52	190	St. Francisville SW lagoon	B, 5				
52	191	Allendale N lagoon	BZ, 6	No discharge at time of sampling			BZ-12
52	192	Allendale S lagoon	BZ, 7	No discharge at time of sampling			BZ-11

MAP NUMBER	INHS	POINT SOURCE	STREAM CODE AND		COMMENTS	SAMPLING STATIONS	
	POINT SOURCE		IEPA POINT SOURCE	MAP NUMBER		A-1	C-1
SEGMENT B-02							
54	193	Mt. Carmel Public Utility	B, 8			B-21	
54	194	Flintkote Company, Mt. Carmel	B, 9	No discharge at time of sampling		B-21	
54	195	Mt. Carmel wastewater treatment plant	B, 10			B-21	
54	196	Southern Terrace Mobile Home Park	BLZ, 11	No discharge at time of sampling			
55	197	Bellmont Elementary School	BCZ, 12	No discharge at time of sampling	Dry	Dry	
55	198	Bellmont wastewater treatment plant	BCZ, 13	No discharge at time of sampling			
55	199	Grayville wastewater treatment plant	B, 14		B-19	B-04	

APPENDIX 2

STREAM SITES SAMPLED AND/OR
VISITED IN THE WABASH RIVER BASIN

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
B-04	Wabash River, 1.8 mi SSE Grayville, upstream of RR bridge & I-64, White County, Illinois, T3S, R14W, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 28 (New Harmony Quad)	09/14/77	Semi-Polluted
B-16	Wabash River, 2.4 mi ESE New Haven, 0.4 mi downstream of Little Wabash River, Gallatin County, Illinois, T7S, R10E, NE $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 27 (Emma Quad)	09/15/77	Semi-Polluted
B-17	Wabash River, 1.7 mi ESE New Haven, 0.5 mi upstream of Little Wabash River, White County, Illinois, T7S, R10E, E $\frac{1}{2}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 22 (Emma Quad)	09/15/77	Semi-Polluted
B-18	Wabash River, 0.4 mi W New Harmony, 0.25 mi downstream US 460 bridge, White County, Illinois, T4S, R14W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 35 (New Harmony Quad)	09/14/77	Semi-Polluted
B-19	Wabash River, 0.7 mi E Grayville, 0.7 mi upstream of Bonpas Creek, Wabash County, Illinois, T3S, R14W, S $\frac{1}{2}$, NE $\frac{1}{4}$, Sec. 21 (Grayville Quad)	09/14/77	Semi-Polluted
B-20	Wabash River, 3.5 mi SSW Mt. Carmel, upstream of RR bridge, Wabash County, Illinois, T2S, R12W, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 6 (Kennsburg Quad)	09/14/77	Semi-Polluted
B-21	Wabash River, 1.3 mi SE Mt. Carmel, upstream of IL 15, downstream RR bridge, Wabash County, Illinois, T1S, R12W, N $\frac{1}{2}$, SW $\frac{1}{4}$, Sec. 28 (Mt. Carmel Quad)	09/13/77	Semi-Polluted
B-22	Wabash River, 0.4 mi E St. Francisville, upstream St. Francisville wastewater treatment lagoon, E of park, Lawrence County, Illinois, T2N, R11W, SW $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 21 (St. Francisville Quad)	09/13/77	Semi-Polluted
BB-10	French Creek, 3 mi NW Grayville, Edwards County, Illinois, T2S, R14W, NE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 31 (Albion South Quad)	08/16/77	Semi-Polluted
BBA-10	Onion Creek, 2 mi WNW Grayville, Edwards County, Illinois, T3S, R11E, NE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 18 (Albion South Quad)	08/16/77	Semi-Polluted
BC	Bonpas Creek, 4 mi S Claremont, Richland County, Illinois, T3N, R14W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 29 (Claremont Quad)	06/07/77	Dry
BC-11	Bonpas Creek, 5 mi W Lancaster, Richland County, Illinois, T2N, R14W, NW $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 27 (Berryville Quad)	06/10/77	Unbalanced
BC-12	Bonpas Creek, 1.6 mi W Berryville, Richland County, Illinois, T2N, R14W, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 15 (Berryville Quad)	06/07/77	Unbalanced
BCA-10	Indian Creek, 2.3 mi S Bone Gap, Edwards County, Illinois, T1S, R14W, SW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 20 (Albion North Quad)	07/13/77	Unbalanced
BCBZ	Unnamed tributary Fordice Creek, 2 mi E Gards Point, Wabash County, Illinois, T1N, R14W, SW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 33 (Mt. Carmel Quad)	06/08/77	Dry

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
BCCA	Buck Creek, 1.3 mi N Bone Gap, Wabash County, Illinois, T1S, R14W, NW $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 5 (Bone Gap Quad)	06/10/77	Dry
BCCZ	Unnamed tributary Walser Creek, 1.2 mi SSE West Salem, Edwards County, Illinois, T1N, R14W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 20 (Berryville Quad)	06/10/77	Dry
BCCZ	Unnamed tributary Walser Creek, 0.5 mi SSE West Salem, 10 yd upstream West Salem wastewater treatment lagoon, Edwards County, Illinois, T1N, R14W, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 17 (West Salem Quad)	06/10/77	Dry
BCCZ-10	Unnamed tributary Walser Creek, 0.6 mi SSE West Salem, 175 yd downstream West Salem wastewater treatment lagoon S #002, Edwards County, Illinois, T1N, R14W, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 17 (West Salem Quad)	06/10/77	Semi-Polluted
BCD	Crooked Creek, 1.5 mi E West Salem, West Salem wastewater treatment plant outfall, Edwards County, Illinois, T1N, R14W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 9 (Berryville Quad)	06/10/77	Dry
BCDZ	Unnamed tributary Crooked Creek, 0.8 mi NNE West Salem, 10 yd upstream West Salem wastewater treatment plant lagoon, Edwards County, Illinois, T1N, R14W, SE $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 8 (Berryville Quad)	06/10/77	Dry
BCDZ-10	Unnamed tributary Crooked Creek, 0.8 mi NNE West Salem, 50 yd downstream West Salem wastewater treatment plant lagoon N #001, Edwards County, Illinois, T1N, R14W, SW $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 8 (Berryville Quad)	06/10/77	Semi-Polluted
BCE	Little Bonpas Creek, 3.4 mi SSW Helena, Lawrence County, Illinois, T2N, R13W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 29 (Berryville Quad)	06/07/77	Dry
BCE-10	Little Bonpas Creek, 3.6 mi WSW Lancaster, Wabash County, Illinois, T1N, R14W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 12 (Berryville Quad)	06/10/77	Unbalanced
BCEA	Jordan Creek, 4.7 mi SW Lancaster, Wabash County, Illinois, T1N, R14W, NW $\frac{1}{4}$, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 24 (Berryville Quad)	06/09/77	Dry
BCEA-10	Jordan Creek, 0.9 mi S Lancaster, Wabash County, Illinois, T1N, R13W, NW $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 9 (Lancaster Quad)	06/09/77	Unbalanced
BCF-10	Mud Creek, 2.7 mi N Grayville, Edwards County, Illinois, T2S, R14W, SE $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 32 (Grayville Quad)	07/14/77	Semi-Polluted
BCZ	Unnamed tributary Bonpas Creek, 5.0 mi SSE Claremont, Richland County, Illinois, T3N, R14W, NW $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 34 (Claremont Quad)	06/07/77	Dry
BCZ	Unnamed tributary Bonpas Creek, 0.2 mi SSE Claremont, 0.25 mi downstream Claremont Grade School wastewater treatment plant outfall, Richland County, Illinois, T3N, R14W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 4 (Claremont Quad)	06/07/77	Dry

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
BCZ	Unnamed tributary Bonpas Creek, 0.3 mi E Claremont, 10 yd upstream Claremont Grade School wastewater treatment plant outfall, Richland County, Illinois, T3N, R14W, NW $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 4 (Claremont Quad)	06/07/77	Dry
BCZ	Unnamed tributary Bonpas Creek, Bellmont Grade School in SE Bellmont, Wabash County, Illinois, T1S, R13W, NW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 31 (Bone Gap Quad)	07/14/77	Dry
BCZ-10	Unnamed tributary Bonpas Creek, 2.5 mi WSW Keensburg, 20 yd downstream bridge, Wabash County, Illinois, T2S, R14W, NE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 13 (Grayville Quad)	07/14/77	Unbalanced
BD-10	Coffee Creek, 2.2 mi ENE Keensburg at NW edge Beall Woods Conservation Area, 20 yd downstream bridge, Wabash County, Illinois, T2S, R13W, NW $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 11 (Keensburg Quad)	07/14/77	Unbalanced
BDZ-10	Unnamed tributary Coffee Creek, 2.6 mi NE Keensburg, 40 yd downstream bridge, Wabash County, Illinois, T1S, R13W, NW $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 34 (Mt. Carmel Quad)	07/14/77	Unbalanced
BE-01	Embarras River, 1.4 mi E Billet, Lawrence County, Illinois, T3N, R11W NW $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 27 (Lawrenceville Quad)	06/07/77	Unbalanced
BE-02	Embarras River, 6.2 mi E Chauncey, Lawrence County, Illinois, T5N, R12W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 28 (Chauncey Quad)	06/09/77	Balanced
BE-06	Embarras River, 3.75 mi E Charleston at IL 16 bridge, Coles County, Illinois, T12N, R10E, SW $\frac{1}{4}$, Sec. 5 (Oakland Quad)	10/05/76	Unbalanced
BE-08	Embarras River, 3 mi W Hidalgo, 40 yd downstream bridge, Coles County, T8N, R9E, NW $\frac{1}{4}$, Sec. 10 (Greenup Quad)	10/08/76	Unbalanced
BE-09	Embarras River, 6.25 mi NE Toledo, Cumberland County, Illinois, T10N, R9E, NW $\frac{1}{4}$, Sec. 2 (Toledo Quad)	09/14/76	Unbalanced
BE-10	Embarras River, 2 mi E Oakland, Coles County, Illinois, T14N, R10E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 15 (Oakland Quad)	10/07/76	Semi-Polluted
BE-11	Embarras River, in Villa Grove, downstream IL 130 bridge, Douglas County, Illinois, T16N, R9E, SW $\frac{1}{4}$, Sec. 2 (Villa Grove Quad)	10/20/76	Semi-Polluted
BE-21	Embarras River, 2 mi E Savoy, Champaign County, Illinois, T19N, R9E, Sec. 32 (Urbana Quad)	10/22/76	Semi-Polluted
BE-22	Embarras River, 3 mi W Philo, Champaign County, Illinois, T18N, R9E, SW $\frac{1}{4}$, Sec. 17 (Urbana Quad)	10/21/76	Unbalanced
BE-23	Embarras River, 4 mi E Pesotum, Champaign County, Illinois, T11N, R9E, SW $\frac{1}{4}$, Sec. 16 (Villa Grove Quad)	10/21/76	Semi-Polluted
BE-24	Embarras River, 6 mi W Longview, Champaign County, Illinois, T17N, R9E, SW $\frac{1}{4}$, Sec. 34 (Villa Grove Quad)	10/20/76	Unbalanced

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
BE-25	Embarras River, 2.25 mi S Villa Grove, downstream IL 130 bridge, Douglas County, Illinois, T16N, R9E, NE $\frac{1}{4}$, Sec. 22 (Villa Grove Quad)	10/20/76	Unbalanced
BE-26	Embarras River, 1.25 mi W Camargo at IL 36, Douglas County, Illinois, T16N, R9E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 33 (Villa Grove Quad)	10/15/76	Semi-Polluted
BE-27	Embarras River, 2.5 mi S Camargo at IL-10, Douglas County, Illinois, T15N, R9E, NE $\frac{1}{4}$, Sec. 10 (Villa Grove Quad)	10/15/76	Semi-Polluted
BE-28	Embarras River, 5 mi N Hindsboro, Douglas County, Illinois, T15N, R9E, NE $\frac{1}{4}$, Sec. 13 (Villa Grove Quad)	10/14/76	Unbalanced
BE-29	Embarras River, 3.25 mi NE Hindsboro, Douglas County, Illinois, T15N, R10E, NW $\frac{1}{4}$, Sec. 34 (Oakland Quad)	10/13/76	Unbalanced
BE-30	Embarras River, 1 mi S Douglas County Conservation Area, 8.5 mi ESE Newman, Douglas County, Illinois, T14N, R10E, SW $\frac{1}{4}$, Sec. 1 (Oakland Quad)	10/13/76	Unbalanced
BE-31	Embarras River, 3.75 mi SW Oakland at Boyd's Ford, Coles County, Illinois, T14N, R10E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 34 (Oakland Quad)	10/13/76	Unbalanced
BE-32	Embarras River, 6.25 mi NE Charleston, 100 ft downstream bridge, Coles County, Illinois, T13N, R10E, SE $\frac{1}{4}$, Sec. 21 (Kansas Quad)	10/05/76	Unbalanced
BE-33	Embarras River, 4 mi NE Charleston, Coles County, Illinois, T13N, R10E, NW $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 32 (Oakland Quad)	09/23/76	Unbalanced
BE-34	Embarras River, 3.25 mi SE Charleston, below spillway of Lake Charleston dam, Coles County, Illinois, T12N, R9E, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 25 (Toledo Quad)	09/24/76	Unbalanced
BE-35	Embarras River, 4.5 mi N Newton, Jasper County, Illinois, T7N, R9E, SW $\frac{1}{4}$, Sec. 11 (Greenup Quad)	10/08/76	Unbalanced
BE-36	Embarras River, 0.3 mi NNE Newton, 200 yd downstream Newton wastewater treatment plant outfall, Jasper County, Illinois, T7N, R9E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 36 (Newton Quad)	06/13/77	Unbalanced
BE-37	Embarras River, 0.3 mi N St. Marie, Jasper County, Illinois, T6N, R14W, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 30 (Newton Quad)	06/13/77	Unbalanced
BE-38	Embarras River, 3 mi ESE St. Marie, Jasper County, Illinois, T6N, R14W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 33 (Oblong South Quad)	06/13/77	Balanced
BE-39	Embarras River, 2.3 mi NE Stringtown, Richland County, Illinois, T5N, R14W, NW $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 27 (Landes Quad)	06/10/77	Balanced
BE-40	Embarras River, 1 mi WNW Landes, downstream bridge, Crawford County, Illinois, T5N, R13W, NW $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 18 (Landes Quad)	06/11/77	Unbalanced
BE-41	Embarras River, 3.8 mi SW Pinkstaff, Lawrence County, Illinois, T4N, R12W, NW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 26 (Birds Quad)	06/09/77	Unbalanced

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
BE-42	Embarras River, 0.4 mi NW Lawrenceville, Lawrence County, Illinois, T4N, R12W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 36 (Lawrenceville Quad)	06/07/77	Unbalanced
BE-43	Embarras River, 0.3 mi NNW Lawrenceville, 100 ft downstream discharge, Lawrence County, Illinois, T3N, R11W, NE $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 6 (Lawrence Quad)	06/07/77	Unbalanced
BE-44	Embarras River, 1 mi ESE Lawrenceville, Lawrence County, Illinois, T3N, R11W, NW $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 5 (Lawrenceville Quad)	06/07/77	Unbalanced
BE-45	Embarras River, 1.1 mi SE Lawrenceville, Lawrence County, Illinois, T3N, R11W, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 5 (Lawrenceville Quad)	06/08/77	Unbalanced
BEA	Muddy Creek, 0.5 mi E Sumner, 200 yd upstream Sumner wastewater treatment plant outfall, Lawrence County, Illinois, T3N, R13W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 4 (Sumner Quad)	06/08/77	Dry
BEA	Muddy Creek, Red Hills State Park wastewater treatment plant outfall South, Lawrence County, Illinois, T3N, R13W, NE $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 2 (Sumner Quad)	06/08/77	Dry
BEA	Muddy Creek, Red Hills State Park wastewater treatment plant outfall North, Lawrence County, Illinois, T3N, R13W, NW $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 3 (Sumner Quad)	06/08/77	Dry
BEA-10	Muddy Creek, 1.3 mi NE Petrolia, Lawrence County, Illinois, T4N, R12W, NE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 20 (Chauncey Quad)	06/09/77	Unbalanced
BEA-11	Muddy Creek, 2.9 mi W Petrolia, Lawrence County, Illinois, T4N, R13W, NE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 22 (Chauncey Quad)	06/10/77	Unbalanced
BEA-12	Muddy Creek, 0.5 mi NE Sumner, 200 yd downstream Sumner wastewater treatment plant outfall, above Shirley Creek, Lawrence County, Illinois, T3N, R13W, NE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 4 (Sumner Quad)	06/08/77	Polluted
BEAA	The Slough, 2.6 mi NW Petrolia, Lawrence County, Illinois, T4N, R13W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 12 (Cauncey Quad)	06/09/77	Dry
BEAA	The Slough, 2.2 mi ESE Chauncey, Lawrence County, Illinois, T5N, R13W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 34 (Chauncey Quad)	06/09/77	Dry
BEAA	The Slough, 4.1 mi E Stringtown, Richland County, Illinois, T4N, R14W, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 1 (Landes Quad)	06/10/77	Dry
BEAB-10	Paul Creek, 4.9 mi NW Sumner, Lawrence County, Illinois, T4N, R13W, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 19 (Landes Quad)	06/10/77	Unbalanced
BEABA-10	Bugaboo Creek, 4.1 mi NE Claremont, Richland County, Illinois, T4N, R14W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 25 (Landes Quad)	06/10/77	Unbalanced
BEAC-10A BEAC-10B	Shirley Creek, 0.3 mi N Sumner, Lawrence County, Illinois, T3N, R13W, NE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 4 (Sumner Quad)	06/08/77 10/11/77	Semi-Polluted Semi-Polluted

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
BEAZ-10	Unnamed tributary Muddy Creek, 1.8 mi ENE Sumner, below dam in Red Hills State Park, Lawrence County, Illinois, T3N, R13W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 2 (Sumner Quad)	06/08/77	Unbalanced
BEB-10	Brushy Creek, 2.0 mi WSW Pinkstaff, Lawrence County, Illinois, T4N, R12W, SW $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 14 (Birds Quad)	06/07/77	Unbalanced
BEB-11	Brushy Creek, 0.8 mi WNW Pinkstaff at confluence with Flat Branch, Lawrence County, Illinois, T4N, R11W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 7 (Birds Quad)	06/07/77	Unbalanced
BEB-12	Brushy Creek, 3.3 mi S Flat Rock, Crawford County, Illinois, T5N, R11W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 19 (Birds Quad)	06/11/77	Unbalanced
BEB-13A BEB-13B	Brushy Creek, 1.0 mi N Flat Rock, Crawford County, Illinois, T6N, R11W, NE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 32 (Flat Rock Quad)	06/11/77 10/11/77	Semi-Polluted Semi-Polluted
BEBA	Flat Branch, 0.6 mi N Pinkstaff, Lawrence County, Illinois, T4N, R11W, NE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 7 (Birds Quad)	06/07/77	Dry
BEBA	Flat Branch, 0.7 mi WNW Pinkstaff, downstream Brookside School lagoon, Lawrence County, Illinois, T4N, R11W, NE $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 7 (Birds Quad)	06/07/77	Dry
BEBB-10A BEBB-10B	Sugar Creek, 2.5 mi SSW Birds, Crawford County, Illinois, T5N, R12W, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 24 (Birds Quad)	06/11/77 10/11/77	Semi-Polluted Semi-Polluted
BEBBZ	Unnamed tributary Birch Creek, 2.7 mi WNW Pinkstaff, Lawrence County, Illinois, T4N, R12W, NW $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 3 (Birds Quad)	06/07/77	Dry
BEBZ-10	Unnamed tributary Brushy Creek, Main St. bridge in Flat Rock, Crawford County, Illinois, T5N, R11W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 6 (Flat Rock Quad)	06/11/77	Unbalanced
BEBZ-11	Unnamed tributary Brushy Creek, 10 yd upstream Flat Rock wastewater treatment plant outfall, Crawford County, Illinois, T5N, R11W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 6 (Flat Rock Quad)	06/11/77	Unbalanced
BEC-10	Honey Creek, 2.5 mi ENE Hardinville, Crawford County, Illinois, T6N, R12W, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 30 (Stoy Quad)	06/12/77	Unbalanced
BECA	Painter Fork, 2.5 mi E Hardinville, Crawford County, Illinois, T6N, R12W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 30 (Stoy Quad)	06/12/77	Dry
BED-01	Big Creek, 2.6 mi W Hardinville Crawford County, Illinois, T6N, R13W, SW $\frac{1}{4}$, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 32 (Oblong-South Quad)	06/11/77	Dry
BED-10	Big Creek, 4 mi NNW Hardinville, Crawford County, Illinois, T6N, R13W, NW $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 9 (Stoy Quad)	06/12/77	Unbalanced
BED-11	Big Creek, 4 mi ENE Oblong, Crawford County, Illinois, T7N, R13W, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 22 (Annapolis Quad)	05/19/77	Balanced
BED-12	Big Creek, 0.3 mi W Eaton, Crawford County, Illinois, T8N, R13W, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 36 (Annapolis Quad)	06/19/77	Unbalanced

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
BEDA-10	Little Creek, 2.3 mi NW Hardinville, Crawford County, Illinois, T6N, R13W, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 28 (Stoy Quad)	06/12/77	Balanced
BEDA-11	Little Creek, 1.4 mi SE Stoy, Crawford County, Illinois, T6N, R13W, NE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 1 (Stoy Quad)	06/11/77	Unbalanced
BEDB	Dogwood Creek, 2 mi N Oblong, upstream Oblong wastewater treatment plant outfall, Crawford County, Illinois, T7N, R13W, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 19 (Annapolis Quad)	05/19/77	Dry
BEDB	Oblong Lake, 0.5 mi NE Oblong, Crawford County, Illinois, T7N, R13W, NW $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 31 (Annapolis Quad)	05/19/77	Semi-Polluted
BEDB-10	Dogwood Creek, 2.3 mi SE Oblong, Crawford County, Illinois, T6N, R13W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 8 (Oblong South Quad)	06/12/77	Unbalanced
BEDB-11	Dogwood Creek, 0.8 mi E Oblong, Crawford County, Illinois, T7N, R13W, NW $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 31 (Annapolis Quad)	05/19/77	Semi-Polluted
BEDC	Bennett Creek, 3.2 mi WNW Robinson, Crawford County, Illinois, T7N, R12W, NW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec 31 (Annapolis Quad)	05/19/77	Dry
BEDC-10	Bennett Creek, in Stoy, downstream bridge, Crawford County, Illinois, T6N, R13W, SE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 3 (Stoy Quad)	06/11/77	Unbalanced
BEDG	Freeport Creek, 3.9 mi S Oblong, Crawford County, Illinois, T6N, R13W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 19 (Oblong South Quad)	06/12/77	Dry
BEDG	Freeport Creek, 1.9 mi SE Piercebure, Crawford County, Illinois, T6N, R13W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 31 (Oblong South Quad)	06/11/77	Dry
BEDH	Brush Creek, 2.5 mi SE Oblong, Crawford County, Illinois, T6N, R13W, SW $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 8 (Oblong South Quad)	06/12/77	Dry
BEE	Calf Killer Creek, 6.4 mi NE Olney, Richland County, Illinois, T4N, R14W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 6 (Newton Quad)	06/10/77	Dry
BEEA	Murphy Creek, 6 mi N Claremont, Richland County, Illinois, T4N, R14W, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 4 (Landes Quad)	06/10/77	Dry
BEF-03	North Fork Embarras River, 4.2 mi E Willow Hill, downstream bridge, Jasper County, Illinois, T7N, R14W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 27 (Annapolis Quad)	05/20/77	Unbalanced
BEF-04'	North Fork Embarras River, 7.2 mi W Annapolis, Jasper County, Illinois, T8N, R14W, NW $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 15 (Annapolis Quad)	05/18/77 to 07/14/77	Unbalanced
BEF-14	North Fork Embarras River, 2 mi ESE St. Marie, 20 yd downstream bridge, Jasper County, Illinois, T6N, R14W, NW $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 32 (Oblong South Quad)	04/25/77	Balanced
BEF-15	North Fork Embarras River, 2 mi ESE St. Marie, 0.75 mi N confluence Embarras River, Jasper County, Illinois, T6N, R14W, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 29 (Oblong South Quad)	06/12/77	Unbalanced

An apostrophe (') indicates a plate sample.

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
BEF-16	North Fork Embarras River, 3.3 mi SE Willow Hill, Jasper County, Illinois, T6N, R14W, NW $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 16 (Oblong South Quad)	06/12/77	Unbalanced
BEF-17	North Fork Embarras, 1.9 mi W Oblong at USGS gauge, Crawford County, Illinois, T7N, R14W, SW $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 35 (Annapolis Quad)	06/12/77	Unbalanced
BEF-18	North Fork Embarras River, 4.2 mi NE Willow Hill, Jasper County, Illinois, T7N, R14W, NW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 22 (Oblong South Quad)	04/25/77	Balanced
BEF-19	North Fork Embarras River, 3.0 mi ESE Yale, Jasper County, Illinois, T8N, R14W, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 28 (Annapolis Quad)	05/18/77	Unbalanced
BEF-20	North Fork Embarras River, 0.7 mi SE Moriah, Clark County, Illinois, T9N, R14W, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 23 (Annapolis Quad)	05/17/77	Semi-Polluted
BEF-21	North Fork Embarras River, 4.0 mi SSW Martinsville, Clark County, Illinois T10N, R14W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 25 (Casey Quad)	04/27/77	Unbalanced
BEF-22	North Fork Embarras River, 1.5 mi NW Martinsville, Clark County, Illinois T10N, R14W, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 1 (Casey Quad)	04/26/77	Unbalanced
BEF-23	North Fork Embarras River, 2.6 mi NNW Martinsville, Clark County, Illinois, T11N, R14W, NW $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 25 (Casey Quad)	05/20/77	Unbalanced
BEF-24	North Fork Embarras River, 0.4 mi S Cleone, Clark County, Illinois, T11N, R14W, NE $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 12 (Casey Quad)	05/16/77	Unbalanced
BEF-25A	North Fork Embarras River, 2.6 mi E Westfield, Clark County, Illinois, T12N, R14W, SE $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 27 (Casey Quad)	04/26/77	Unbalanced
BEF-25B		05/16/77	Unbalanced
BEFA	Willow Creek, 4.3 mi SE Martinsville, Clark County, Illinois, T10N, R13W, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 23 (Casey Quad)	05/17/77	Dry
BEFA-10	Willow Creek, 2.6 mi NW Oblong, Crawford County, Illinois, T7N, R14W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 23 (Annapolis Quad)	05/02/77	Unbalanced
BEFA-11	Willow Creek, 4.8 mi N Oblong, Crawford County, Illinois, T7N, R14W, NW $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 12 (Annapolis Quad)	05/19/77	Balanced
BEFA-12A	Willow Creek, 4.7 mi W Annapolis, Crawford County, Illinois, T8N, R13W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 7 (Annapolis Quad)	04/27/77	Unbalanced
BEFA-12B		05/18/77	Unbalanced
BEFA-13	Willow Creek, 3.8 ESE Moriah, Clark County, Illinois, T9N, R13W, NE $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 29 (Annapolis Quad)	05/17/77	Unbalanced
BEFA-14	Willow Creek, 1.9 mi S Neadmore, Clark County, Illinois, T9N, R13W, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 16 (Annapolis Quad)	04/25/77	Unbalanced

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
BEFA-15	Willow Creek, 4.9 mi SE Martinsville, Clark County, Illinois, T10N, R13W, SW $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 26 (Casey Quad)	05/17/77	Unbalanced
BEFAA'	Muddy Creek, 4.4 mi N Oblong, Crawford County, Illinois, T7N, R13W, SW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 7 (Annapolis Quad)	05/19/77	Vandalized
BEFAA-10	Muddy Creek, 2.6 mi WSW Annapolis, Crawford County, Illinois, T8N, R13W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 16 (Annapolis Quad)	05/18/77	Balanced
BEFAAA-10	Maple Creek, 3.1 mi WSW Annapolis, Crawford County, Illinois, T8N, R13W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 16 (Annapolis Quad)	05/18/77	Unbalanced
BEFAAA-11	Maple Creek, 5.8 mi ESE Moriah, Clark County, Illinois, T9N, R13W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 33 (Annapolis Quad)	05/18/77	Semi-Polluted
BEFAB-10	Little Willow Creek, 3.9 mi E Moriah, Clark County, Illinois, T9N, R13W, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 17 (Annapolis Quad)	05/17/77	Unbalanced
BEFC-10	Panther Creek, 2.5 mi SE Yale, Jasper County, Illinois, T8N, R14W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 29 (Annapolis Quad)	05/19/77	Balanced
BEFC-11	Panther Creek, 2.0 mi SE Hazel Dell, Cumberland County, Illinois, T9N, R11E, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 30 (Greenup Quad)	05/18/77	Unbalanced
BEFCZ	Unnamed tributary Panther Creek, 2.2 mi NE Yale, Jasper County, Illinois, T8N, R14W, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 8 (Annapolis Quad)	05/18/77	Dry
BEFD-10	Mount Branch, 1.1 mi SW Moriah, Clark County, Illinois, T9N, R14W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 21 (Annapolis Quad)	05/17/77	Balanced
BEFE-10	Quarry Branch, 3.7 mi ESE Casey, 30 yd downstream bridge, Clark County, Illinois, T10N, R14W, SW $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 26 (Casey Quad)	04/27/77	Balanced
BEFE-11	Quarry Branch, 2.4 mi ESE Casey, Clark County, Illinois, T10N, R14W, SW $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 27 (Casey Quad)	05/18/77	Balanced
BEFE-12	Quarry Branch, 1.2 mi E Casey, Clark County, Illinois, T10N, R14W, SW $\frac{1}{4}$, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 21 (Casey Quad)	05/18/77	Polluted
BEFEZ	Unnamed tributary Quarry Branch, 0.8 mi ESE Casey, Clark County, Illinois, T10N, R14W, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 20 (Casey Quad)	05/18/77	Dry
BEFEZ-10	Unnamed tributary Quarry Branch, 0.9 mi ESE Casey, Clark County, Illinois, T10N, R14W, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 20 (Casey Quad)	05/18/77	Polluted
BEFF-10	Turkey Run, 2.0 mi SW Martinsville, Clark County, Illinois, T10N, R14W, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 13 (Casey Quad)	05/17/77	Balanced
BEFG-10	Little Creek, in SE Martinsville, Clark County, Illinois, T10N, R13W, NE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 7 (Casey Quad)	05/17/77	Balanced
BEFG-11	Little Creek, in S Martinsville, Clark County, Illinois, T10N, R13W, SW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 8 (Casey Quad)	05/17/77	Balanced

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STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
BEFH-10	Kettering Branch, 0.6 mi WSW Martinsville, Clark County, Illinois, T10N, R13W, NW $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 7 (Casey Quad)	05/17/77	Balanced
BEFI-10	Willis Branch, 2.7 mi NW Martinsville, Clark County, Illinois, T11N, R14W, NW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 36 (Casey Quad)	05/20/77	Unbalanced
BEFJ-10	Bluegrass Creek, 3.1 mi N Martinsville, Clark County, Illinois, T11N, R13W, SW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 29 (Casey Quad)	05/20/77	Unbalanced
BEFM	Slater Creek, 5.0 mi N Martinsville, Clark County, Illinois, T11N, R13W, NW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 17 (Casey Quad)	05/20/77	Dry
BEFN-10A	Doyles Creek, 0.3 mi N Martinsville, Clark County, Illinois, T11N, R13W, NW $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 7 (Casey Quad)	04/26/77	Unbalanced
BEFN-10B		05/16/77	Balanced
BEFO-10	McNary Branch; 4.4' mi ESE Westfield, Clark County, Illinois, T12N, R14W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 36 (Casey Quad)	05/16/77	Unbalanced
BEFP-10	Lamb Branch, 3.4 mi SE Westfield, Clark County, Illinois, T11N, R14W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 3 (Casey Quad)	04/26/77	Unbalanced
BEFR-10	West Fork Creek, 2.4 mi E Westfield, Clark County, Illinois, T12N, R14W, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 27 (Casey Quad)	04/26/77	Unbalanced
BEFS	Hickory Creek, 2.8 mi ESE Willow Hill, Jasper County, Illinois, T6N, R14W, SE $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 9 (Oblong South Quad)	06/12/77	Dry
BEFS	Hickory Creek, 1.1 mi NW Willow Hill, Jasper County, Illinois, T7N, R11E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 30 (Greenup Quad)	05/20/77	Dry
BEFSZ-10	Unnamed tributary Hickory Creek, 2 mi NE Willow Hill, Jasper County, Illinois, T7N, R14W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 29 (Annapolis Quad)	05/20/77	Unbalanced
BEG-10A	Crooked Creek, at IL 33, 4.6 mi SW Hunt, Jasper County, Illinois, T7N, R10E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 34 (Greenup Quad)	05/20/77	Balanced
BEG-10B		10/12/77	Unbalanced
BEGA-10	East Crooked Creek, 2.7 mi W Hunt, Jasper County, Illinois, T7N, R10E, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 11 (Greenup Quad)	05/20/77	Balanced
BEGA-11	East Crooked Creek, 1.3 mi SW Yale, Jasper County, Illinois, T8N, R10E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 25 (Greenup Quad)	05/19/77	Unbalanced
BEGA-12	East Crooked Creek, 0.1 mi W Hazel Dell, Cumberland County, Illinois, T9N, R10E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 23 (Greenup Quad)	05/18/77	Unbalanced
BEGB-10	West Crooked Creek, 2.8 mi E Falmouth, Jasper County, Illinois, T7N, R10E, SW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 15 (Greenup Quad)	05/20/77	Unbalanced
BEGB-11	West Crooked Creek, 1.1 mi E Rose Hill, Jasper County, Illinois, T8N, R10E, SE $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 29 (Greenup Quad)	05/19/77	Unbalanced
BEH	Mint Creek, 4.5 mi NW Newton, Jasper County, Illinois, T7N, R9E, E $\frac{1}{2}$, Sec. 16 (Greenup Quad)	10/07/76	Dry

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BEI	Range Creek, 3.75 mi E Greenup, Cumberland County, Illinois, T9N, R10E, SW $\frac{1}{4}$, Sec. 4 (Greenup Quad)	09/28/76	Dry
BEI	Range Creek, 2.75 mi W Hidalgo, Jasper County, Illinois, T8N, R9E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 3 (Greenup Quad)	09/28/77	Dry
BEI	Range Creek, 0.5 mi W County Line, Cumberland County, Illinois, T10N, R11E, SW $\frac{1}{4}$, Sec. 3 (Greenup Quad)	09/28/76	Dry
BEI-10	Range Creek, 8 mi NE Greenup, Cumberland County, Illinois, T10N, R10E, NW $\frac{1}{4}$, Sec. 13 (Toledo Quad)	09/28/76	Semi-Polluted
BEJ	Muddy Creek North, 3.5 mi WSW Toledo, Cumberland County, Illinois, T10N, R8E, SW $\frac{1}{4}$, Sec. 34 (Mattoon Quad)	09/22/76	Dry
BEJ	Muddy Creek North, 3.5 mi N Toledo, Cumberland County, Illinois, T10N, R8E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 12 (Mattoon Quad)	10/05/76	Dry
BEJ-10	Muddy Creek North, 1.75 mi S Jewett, 10 yd downstream bridge, Cumberland County, Illinois, T9N, R8E, NE $\frac{1}{4}$, Sec. 36 (Greenup Quad)	10/15/76	Semi-Polluted
BEJA-10	Island Creek, 8 mi W Hidalgo, 20 yd downstream bridge, Jasper County, Illinois, T8N, R8E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 3 (Teutopolis Quad)	10/08/76	Semi-Polluted
BEJC	Cottonwood Creek, 8.25 mi S Charleston, Coles County, Illinois, T11N, R9E, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 21 (Toledo Quad)	09/14/76	Dry
BEJC	Cottonwood Creek, 8.3 mi S Charleston, Coles County, Illinois, T11N, R9E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 21 (Toledo Quad)	09/14/76	Dry
BEJC	Cottonwood Creek, 0.75 mi E Toledo, Cumberland County, Illinois, T10N, R9E, SW $\frac{1}{4}$, Sec. 29 (Toledo Quad)	09/22/76	Dry
BEJCZ	Unnamed tributary Cottonwood Creek, 2.5 mi S Toledo, Cumberland County, Illinois, T9N, R8E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 12 (Mattoon Quad)	09/22/76	Dry
BEJCZ	Unnamed tributary Cottonwood Creek, 1 mi SW Toledo, Cumberland County, Illinois, T10N, R8E, E $\frac{1}{2}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 36 (Mattoon Quad)	09/22/76	Dry
BEJCZ-10	Unnamed tributary Cottonwood Creek, 1 mi SW Toledo, downstream Toledo wastewater treatment plant outfall, Cumberland County, Illinois, T10N, R8E, E $\frac{1}{2}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 36 (Mattoon Quad)	09/22/76	Semi-Polluted
BEJE	Spring Point Creek, 9 mi W Jewett, Cumberland County, Illinois, T9N, R7E, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 15 (Teutopolis Quad)	09/22/76	Dry
BEJE	Spring Point Creek, 4.75 mi W Jewett, Cumberland County, Illinois, T9N, R8E, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 20 (Teutopolis Quad)	09/22/76	Dry
BEJF	Mule Creek, 5 mi WNW Jewett, Cumberland County, Illinois, T9N, R8E, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 8 (Teutopolis Quad)	09/22/76	Dry
BEJF	Mule Creek, 5.75 mi W Toledo, Cumberland County, Illinois, T10N, R8E, SE $\frac{1}{4}$, Sec. 30 (Mattoon Quad)	09/22/76	Dry

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
BEJFA	Long Point Creek, 6 mi W Toledo, Cumberland County, Illinois, T10N, R8E, SW $\frac{1}{4}$, Sec. 30 (Mattoon Quad)	09/22/76	Dry
BEJG	Otter Branch, 5.25 mi WSE Toledo, Cumberland County, Illinois, T9N, R8E, SE $\frac{1}{4}$, Sec. 5 (Teutopolis Quad)	09/22/76	Dry
BEJH	Bear Creek, 4.25 mi NW Toledo, Cumberland County, Illinois, T10N, R8E, NE $\frac{1}{4}$, Sec. 16 (Mattoon Quad)	10/05/76	Dry
BEK	Lost Creek, 1.4 mi S Union Center, Cumberland County, Illinois, T10N, R10E, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 15 (Toledo Quad)	09/28/76	Dry
BEK	Lost Creek, 2 mi NNE Greenup, Cumberland County, Illinois, T10N, R9E, SE $\frac{1}{4}$, Sec. 25 (Toledo Quad)	09/22/76	Dry
BEL-10	Hurricane Creek, 4.25 mi NE Greenup, at IL 130 bridge, Cumberland County, Illinois, T10N, R10E, SW $\frac{1}{4}$, Sec. 18 (Toledo Quad)	10/15/76	Unbalanced
BELA-10	Opossum Creek, 5.5 mi SE Lerna, 30 yd downstream bridge, Coles County, Illinois, T11N, R10E, NW $\frac{1}{4}$, Sec. 20 (Toledo Quad)	09/24/76	Unbalanced
BELB	West Branch Hurricane Creek, 7 mi SE Charleston, Coles County, Illinois, T11N, R10E, SE $\frac{1}{4}$, Sec. 4 (Toledo Quad)	09/21/76	Dry
BELB	West Branch Hurricane Creek, 8.75 mi SE Charleston, Coles County, Illinois, T11N, R10E, SW $\frac{1}{4}$, Sec. 15 (Toledo Quad)	09/21/76	Dry
BELBZ	Unnamed tributary West Branch Hurricane Creek, 8.5 mi SSE Charleston, Coles County, Illinois, T11N, R10E, SW $\frac{1}{4}$, Sec. 16 (Toledo Quad)	09/21/76	Dry
BELC-10	East Branch Hurricane Creek, 9.5 mi SSE Charleston, Coles County, Illinois, T11N, R10E, SW $\frac{1}{4}$, Sec. 14 (Toledo Quad)	09/24/76	Semi-Polluted
BELCZ	Unnamed tributary East Branch Hurricane Creek, 9.25 mi S Ashmore, Coles County, Illinois, T11N, R11E, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 18 (Toledo Quad)	09/21/76	Dry
BEN	Kickapoo Creek, 4.2 mi E Mattoon, Coles County, Illinois, T12N, R8E, SW $\frac{1}{4}$, Sec. 15 (Mattoon Quad)	08/31/76	Dry
BEN	Kickapoo Creek, 1.4 mi ESE Mattoon, Coles County, Illinois, T12N, R8E, SW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 19 (Mattoon Quad)	08/27/76	Dry
BEN-01	Kickapoo Creek, 2.5 mi SW Charleston, 30 yd downstream bridge, Coles County, Illinois, T12N, R9E, NW $\frac{1}{4}$, Sec. 27 (Toledo Quad)	09/07/76	Unbalanced
BEN-11	Kickapoo Creek, 3.75 mi S Charleston, Coles County, Illinois, T12N, R9E, NE $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 35 (Toledo Quad)	10/14/76	Unbalanced
BEN-12	Kickapoo Creek, 5.75 mi WSW Charleston, Coles County, Illinois, T12N, R8E, NE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 23 (Mattoon Quad)	08/27/76	Semi-Polluted

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
BEN-13	Kickapoo Creek, 2 mi ESE Mattoon, 0.5 mi downstream Mattoon wastewater treatment plant outfall, downstream bridge, Coles County, Illinois, T12N, R8E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 19 (Mattoon Quad)	08/27/76	Polluted
BEN-14	Kickapoo Creek, ESE edge of Mattoon, 120 yd downstream Mattoon wastewater treatment plant outfall, Coles County, Illinois, T12N, R8E, SW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 19 (Mattoon Quad)	08/27/76	Polluted
BEN-15	Kickapoo Creek, ESE edge of Mattoon, 40 yd upstream Mattoon wastewater treatment plant outfall, Coles County, Illinois, T12N, R8E, SW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 19 (Mattoon Quad)	08/27/76	Polluted
BEN-16	Kickapoo Creek, in S Mattoon, 200 yd downstream discharge from Mattoon General Electric Co., Coles County, Illinois, T12N, R7E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 24 (Mattoon Quad)	09/02/76	Semi-Polluted
BEN-17	Kickapoo Creek, in S Mattoon, upstream Mattoon General Electric Co. discharge, Coles County, Illinois, T12N, R7E, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 23 (Mattoon Quad)	09/02/76	Unbalanced
BENA	Riley Creek, 2.75 mi NE Mattoon, Coles County, Illinois, T12N, R8E, SE $\frac{1}{4}$, Sec. 6 (Arcola Quad)	08/26/76	Dry
BENA	Riley Creek, 5.0 mi WNW Charleston, Coles County, Illinois, T12N, R8E, SE $\frac{1}{4}$, Sec. 2 (Arcola Quad)	09/23/76	Dry
BENA-10	Riley Creek, 4.25 mi NE Mattoon, Coles County, Illinois, T12N, R8E, SE $\frac{1}{4}$, Sec. 4 (Arcola Quad)	08/26/76	Semi-Polluted
BENAA	Cassell Creek, 1.8 mi WNW Charleston, 20 yd downstream bridge, Coles County, Illinois, T12N, R9E, NE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 9 (Toledo Quad)	09/07/76	Dry
BENAA-10	Cassell Creek, 1.75 mi WSW Charleston, 700 yd downstream Charleston wastewater treatment plant outfall, Coles County, Illinois, T12N, R9E, SW $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 16 (Toledo Quad)	09/09/76	Unbalanced
BENAA-11	Cassell Creek, 1.5 mi N Charleston, 15 yd downstream bridge, Coles County, Illinois, T12N, R9E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 4 (Oakland Quad)	09/23/76	Unbalanced
BENAAZ	Unnamed tributary Cassell Creek, Town & Country Motel, 2.0 mi WNW Charleston, Coles County, Illinois, T12N, R9E, SE $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 9 (Toledo Quad)	08/31/76	Dry
BENAZ	Unnamed tributary Riley Creek, Anaconda Brass, 2.5 mi E Mattoon, Coles County, Illinois, T12N, R8E, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 17 (Mattoon Quad)	08/26/76	Dry
BENAZ	Unnamed tributary Riley Creek, Steve's Steak House, 1.9 mi WSW Mattoon, Coles County, Illinois, T12N, R9E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 16 (Toledo Quad)	08/31/76	Dry

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
BENAZ-10	Unnamed tributary Riley Creek, 2.5 mi E Mattoon, 100 yd downstream Anaconda Brass discharge, Coles County, Illinois, T12N, R8E, NW $\frac{1}{4}$, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 17 (Mattoon Quad)	08/26/76	Unbalanced
BENAZ-11	Unnamed tributary Riley Creek, 3.5 mi NE Mattoon, downstream overpass, Coles County, Illinois, T12N, R8E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 4 (Arcola Quad)	08/26/76	Unbalanced
BENB	Sweetwater Creek, 4.5 mi ESE Mattoon, 20 yd below bridge, Coles County, Illinois, T12N, R8E, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 27 (Mattoon Quad)	08/27/76	Dry
BENZ	Unnamed tributary Kickapoo Creek, 4.25 mi ESE Mattoon, Coles County, Illinois, T12N, R8E, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 22 (Mattoon Quad)	08/31/76	Dry
BENZ	Unnamed tributary Kickapoo Creek, Charleston Community Unit #1, E Charleston, Coles County, Illinois, T12N, R9E, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 23 (Toledo Quad)	09/07/76	Dry
BEO	Polecat Creek, in Ashmore, Coles County, Illinois, T13N, R11E, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 31 (Oakland Quad)	09/07/76	Dry
BEO-10	Polecat Creek, 4 mi WSW Ashmore, Coles County, Illinois, T12N, R10E, NW $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 9 (Oakland Quad)	09/23/76	Unbalanced
BEO-11	Polecat Creek, 1 mi S Ashmore, 40 yd downstream bridge, Coles County, Illinois, T12N, R10E, NE $\frac{1}{4}$, Sec. 1 (Oakland Quad)	09/16/76	Semi-Polluted
BEOA	Dudley Branch Polecat Creek, 2.3 mi SW Ashmore, Coles County, Illinois, T12N, R10E, SE $\frac{1}{4}$, Sec. 2 (Oakland Quad)	09/16/76	Dry
BEOZ	Unnamed tributary Polecat Creek, L & L Mobile Home Park, 1 mi SE Ashmore, Coles County, Illinois, T13N, R14W, SW $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 31 (Oakland Quad)	09/16/76	Dry
BEP	Little Embarras Creek, 4 mi S Oakland, Coles County, Illinois, T13N, R10E, SW $\frac{1}{4}$, Sec. 1 (Oakland Quad)	10/06/76	Dry
BEP-10	Little Embarras Creek, 1.5 mi SE Oakland, Coles County, Illinois, T14N, R14W, NE $\frac{1}{4}$, Sec. 30 (Oakland Quad)	10/06/76	Unbalanced
BEP-11	Little Embarras Creek, 2 mi E IL 133 bridge, 100 ft downstream bridge, Coles County, Illinois, T14N, R14W, NE $\frac{1}{4}$, Sec. 20 (Kansas Quad)	10/07/76	Unbalanced
BEP-12	Little Embarras Creek, 2.5 mi S Brocton at IL 49, Edgar County, Illinois, T14N, R14W, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 11 (Kansas Quad)	10/08/76	Unbalanced
BEPA	Lagoon, B & C Farms, 0.5 mi SE Jakes Branch, Coles County, Illinois, T13N, R10E, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 13 (Oakland Quad)	10/06/76	Dry
BEPC	Donica Creek, 3.25 mi SE Oakland, Coles County, Illinois, T14N, R14W, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 28 (Kansas Quad)	10/06/76	Dry

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
BEPCA	East Donica Creek, 4 mi N Kansas, Edgar County, Illinois, T13N, R14W, NW $\frac{1}{4}$, Sec. 2 (Kansas Quad)	10/08/76	Dry
BEPD	Catfish Creek, 4 mi S Brocton, Edgar County, Illinois, T14N, R14W, SW $\frac{1}{4}$, Sec. 12 (Kansas Quad)	10/08/76	Dry
BEPD-10	Catfish Creek, 1.75 mi NW Redmon, 3 yd downstream bridge, Edgar County, Illinois, T14N, R13W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 18 (Kansas Quad)	10/08/76	Semi-Polluted
BEPDA	Hickory Grove Creek, 3.75 mi NE Kansas, Edgar County, Illinois, T13N, R13W, SW $\frac{1}{4}$, Sec. 8 (Kansas Quad)	10/08/76	Dry
BEPDA-10	Hickory Grove Creek, 10 mi WNW Paris, downstream IL 133 bridge, Edgar County, Illinois, T14N, R13W, NE $\frac{1}{4}$, Sec. 29 (Kansas Quad)	10/08/76	Semi-Polluted
BEPDAZ-10	Unnamed tributary Hickory Grove Creek, 4.5 mi NE Kansas, Edgar County, Illinois, T13N, R13W, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 8 (Kansas Quad)	10/08/76	Semi-Polluted
BEPDB-10	Drainage Ditch #7, 6.25 mi WNW Paris, 10 ft downstream bridge, Edgar County, Illinois, T14N, R13W, SE $\frac{1}{4}$, Sec. 24 (Kansas Quad)	10/08/76	Unbalanced
BEPDZ-10	Unnamed tributary Catfish Creek, 1.75 mi S Brocton, Edgar County, Illinois, T14N, R14W, SW $\frac{1}{4}$, Sec. 1 (Kansas Quad)	10/11/76	Unbalanced
BEQ-10	Greasy Creek, 10 mi E Humbolt, Coles County, Illinois, T13N, R9E, NE $\frac{1}{4}$, Sec. 1 (Oakland Quad)	10/06/76	Semi-Polluted
BEQ-11	Greasy Creek, 4.5 mi WSW Oakland, Coles County, Illinois, T14N, R10E, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 29 (Oakland Quad)	10/06/76	Unbalanced
BER-10	Scattering Fork, 4 mi S Camargo at IL 130, Douglas County, Illinois, T15N, R9E, SE $\frac{1}{4}$, Sec. 15 (Oakland Quad)	10/14/76	Semi-Polluted
BER-11	Scattering Fork, 4.5 mi SE Tuscola, Douglas County, Illinois, T15N, R9E, NE $\frac{1}{4}$, Sec. 18 (Villa Grove Quad)	10/14/76	Semi-Polluted
BER-12	Scattering Fork, 3.5 mi SE Tuscola, Douglas County, Illinois, T15N, R8E, SE $\frac{1}{4}$, Sec. 12 (Villa Grove Quad)	10/14/76	Semi-Polluted
BER-13	Scattering Fork, at SE edge of Tuscola, 200 yd downstream wastewater treatment plant outfall, Douglas County, Illinois, T15N, R8E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, N $\frac{1}{2}$, Sec. 2 (Tuscola Quad)	10/15/76	Semi-Polluted
BER-14	Scattering Fork, S edge Tuscola at Court St, 0.5 mi upstream wastewater treatment plant, Douglas County, Illinois, T15N, R8E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, N $\frac{1}{2}$, Sec. 3 (Tuscola Quad)	10/15/76	Semi-Polluted
BERA	Arcola Drainage Ditch, 0.5 mi SW Camargo, 0.1 mi above confluence Scattering Fork, Douglas County, Illinois, T15N, R9E, NE $\frac{1}{4}$, Sec. 17 (Oakland Quad)	10/13/76	Dry
BERB-10	Hackett Branch, 3.25 mi SE Tuscola, downstream bridge, T15N, R9E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, E $\frac{1}{2}$, Sec. 6 (Villa Grove Quad)	10/15/76	Semi-Polluted

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
BERB-11	Hackett Branch, 2.75 mi NE Tuscola, Douglas County, Illinois, T16N, R8E, NE $\frac{1}{4}$, Sec. 23 (Tuscola Quad)	10/19/76	Semi-Polluted
BERB-12	Hackett Branch, 2.5 mi S Pesotum, Champaign County, Illinois, T17N, R8E, SE $\frac{1}{4}$, Sec. 35 (Tuscola Quad)	10/20/76	Semi-Polluted
BERB-13	Hackett Branch, 1 mi NW Pesotum, Champaign County, Illinois, T17N, R8E, SE $\frac{1}{4}$, Sec. 14 (Tuscola Quad)	10/21/76	Semi-Polluted
BERB-14	Hackett Branch, 1.25 mi S Tolono, 0.75 mi downstream Tolono wastewater treatment plant, downstream bridge, Champaign County, Illinois, T17N, R8E, NW $\frac{1}{4}$, Sec. 1 (Tuscola Quad)	10/21/76	Semi-Polluted
BERB-15	Hackett Branch, 0.25 mi S Tolono, upstream wastewater treatment plant, downstream bridge, Champaign County, Illinois, T18N, R8E, NW $\frac{1}{4}$, Sec. 36 (Tuscola Quad)	10/21/76	Polluted
BERBA	Hayes Branch Drainage Ditch, 1.5 mi N Tuscola, downstream bridge, Douglas County, Illinois, T16N, R8E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 27 (Tuscola Quad)	10/15/76	Dry
BERBA	Hayes Branch, 5.25 mi NNW Tuscola, Douglas County, Illinois, T16N, R8E, NE $\frac{1}{4}$, Sec. 9 (Tuscola Quad)	10/19/76	Dry
BERBA-10	Hayes Branch Drainage Ditch, 2.25 mi ESE Tuscola, Douglas County, Illinois, T15N, R8E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, N $\frac{1}{2}$, Sec. 1 (Tuscola Quad)	10/15/76	Unbalanced
BERBA-11	Hayes Branch Drainage Ditch, NE Tuscola, 200 yd downstream Tuscola wastewater treatment plant outfall, Douglas County, Illinois, T16N, R8E, NW $\frac{1}{4}$, Sec. 35 (Tuscola Quad)	10/15/76	Polluted
BERBA-12	Hayes Branch Drainage Ditch, NE Tuscola, 200 yd upstream Tuscola wastewater treatment plant outfall, Douglas County, Illinois, T16N, R8E, NE $\frac{1}{4}$, Sec. 34 (Tuscola Quad)	10/15/76	Unbalanced
BERZ	Unnamed tributary Scattering Fork, 2.5 mi S Tuscola, Douglas County, Illinois, T15N, R8E, NE $\frac{1}{4}$, Sec. 11 (Tuscola Quad)	10/19/76	Dry
BERZ	Unnamed tributary Scattering Fork, 2.25 mi E Arcola, 600 yd upstream Arcola wastewater treatment plant outfall, Douglas County, Illinois, T14N, R8E, NE $\frac{1}{4}$, Sec. 2 (Arcola Quad)	10/14/76	Dry
BERZ-10	Unnamed tributary Scattering Fork, 5 mi SE Tuscola, Douglas County, Illinois, T15N, R9E, NW $\frac{1}{4}$, Sec. 19 (Oakland Quad)	10/14/76	Semi-Polluted
BERZ-11	Unnamed tributary Scattering Fork, 4 mi NE Arcola, Douglas County, Illinois, T15N, R8E, NW $\frac{1}{4}$, Sec. 25 (Arcola Quad)	10/14/76	Semi-Polluted
BERZ-12	Unnamed tributary Scattering Fork, 1.5 mi NW Arcola, 600 yd downstream Arcola wastewater treatment plant outfall, Douglas County, Illinois, T15N, R8E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 35 (Arcola Quad)	10/14/76	Polluted

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
BERZ-13	Unnamed tributary Scattering Fork, 1.25 mi SW Tuscola, W IL 45, downstream Cabot discharge, Douglas County, Illinois, T15N, R8E, NE $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 3 (Tuscola Quad)	10/19/76	Semi-Polluted
BERZZ	Unnamed tributary of unnamed tributary Scattering Fork, 4 mi NE Arcola, downstream bridge, Douglas County, Illinois, T15N, R8E, NW $\frac{1}{4}$, Sec. 24 (Arcola Quad)	10/14/76	Dry
BES	Jordan Slough, 4 mi E Villa Grove, Douglas County, Illinois, T16N, R10E, NW $\frac{1}{4}$, Sec. 9 (Villa Grove Quad)	10/19/76	Dry
BES	Jordan Slough, NE edge of Villa Grove, Douglas County, Illinois, T16N, R9E, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 2 (Villa Grove Quad)	10/19/76	Dry
BES	Jordan Slough, 3 mi SE Longview, Douglas County, Illinois, T16N, R10E, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 1 (Villa Grove Quad)	10/19/76	Dry
BES-10	Jordan Slough, 60 yd downstream Villa Grove wastewater treatment plant outfall, Douglas County, Illinois, T16N, R9E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 2 (Villa Grove Quad)	10/20/76	Polluted
BESA-10	Long Point Slough, 1.25 mi NE Villa Grove, Champaign County, Illinois, T17N, R9E, SW $\frac{1}{4}$, Sec. 36 (Villa Grove Quad)	10/20/76	Semi-Polluted
BET-10	East Branch Embarras River, 1.75 mi W Broadlands, Champaign County, Illinois, T17N, R10E, SW $\frac{1}{4}$, Sec. 24 (Villa Grove Quad)	10/19/76	Semi-Polluted
BET-11	East Branch Embarras River, 4.5 mi S Philo, Champaign County, Illinois, T17N, R9E, SE $\frac{1}{4}$, Sec. 10 (Villa Grove Quad)	10/21/76	Semi-Polluted
BETA-10	Black Slough, 3.75 mi SW Philo, 20 ft downstream bridge, Champaign County, Illinois, T17N, R9E, NE $\frac{1}{4}$, Sec. 10 (Villa Grove Quad)	10/20/76	Semi-Polluted
BETZ-10	Unnamed tributary East Branch Embarras River, 4 mi NW Longview, Champaign County, Illinois, T17N, R10E, SW $\frac{1}{4}$, Sec. 8 (Villa Grove Quad)	10/20/76	Semi-Polluted
BEU-10	Hog Branch, NW edge of Oakland, 20 ft downstream bridge, Coles County, Illinois, T14N, R10E, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 13 (Oakland Quad)	10/07/76	Unbalanced
BEU-11	Hog Branch, 1.75 mi NE Oakland, Coles County, Illinois, T14N, R14W, SE $\frac{1}{4}$, Sec. 7 (Oakland Quad)	10/07/76	Unbalanced
BEUA	Drainage Ditch #2, 2 mi WSW Brocton, Edgar County, Illinois, T15N, R14W, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 34 (Kansas Quad)	10/11/76	Dry
BEUZ	Unnamed tributary Hog Branch, 0.75 mi NE Oakland, Coles County, Illinois, T14N, R14W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 18 (Oakland Quad)	10/07/76	Dry

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
BEV	Dry Branch, 4.5 mi SW Oakland, Coles County, Illinois, T14N, R10E, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 33 (Oakland Quad)	10/06/76	Dry
BEW-10	Deer Creek, 2 mi NE Hindsboro, downstream bridge, Douglas County, Illinois, T15N, R10E, NW $\frac{1}{4}$, Sec. 32 (Oakland Quad)	10/13/76	Semi-Polluted
BEW-11	Deer Creek, 3 mi NE Hindsboro, at IL 130 bridge, Douglas County, Illinois, T15N, R9E, SE $\frac{1}{4}$, Sec. 27 (Oakland Quad)	10/07/76	Semi-Polluted
BEWZ	Unnamed tributary Deer Creek, 1.75 mi N Hindsboro, Douglas County, Illinois, T15N, R10E, NW $\frac{1}{4}$, Sec. 31 (Oakland Quad)	10/13/76	Dry
BEWZ	Unnamed tributary Deer Creek, 3 mi WNW Hindsboro, Douglas County, Illinois, T14N, R9E, NW $\frac{1}{4}$, Sec. 3 (Oakland Quad)	10/14/76	Dry
BEWZ	Unnamed tributary Deer Creek, 4 mi WNW Hindsboro, Douglas County, Illinois, T14N, R9E, NW $\frac{1}{4}$, Sec. 4 (Oakland Quad)	10/14/76	Dry
BEX	Brushy Fork, 6 mi SW Newman, Douglas County, Illinois, T15N, R10E, NE $\frac{1}{4}$, Sec. 22 (Oakland Quad)	10/13/76	Dry
BEX	Brushy Fork, E Newman, Douglas County, Illinois, T16N, R14W, SW $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 31 (Newman Quad)	10/12/76	Dry
BEX	Brushy Fork, 1.25 mi SSE Hume, Edgar County, Illinois, T15N, R13W, SE $\frac{1}{4}$, Sec. 4 (Newman Quad)	10/11/76	Dry
BEX	Brushy Fork, 1 mi E Hume, Edgar County, Illinois, T15N, R13W, NW $\frac{1}{4}$, Sec. 4 (Newman Quad)	10/11/76	Dry
BEX	Brushy Fork, 3.75 mi SE Hume, Edgar County, Illinois, T15N, R13W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 15 (Kansas Quad)	10/11/76	Dry
BEX-10	Brushy Fork, 1 mi NW Hume, 20 ft downstream bridge, Edgar County, Illinois, T16N, R14W, SE $\frac{1}{4}$, Sec. 25 (Newman Quad)	10/11/76	Unbalanced
BEX-11	Brushy Fork, 3 mi W Hume, Edgar County, Illinois, T16N, R14W, NE $\frac{1}{4}$, Sec. 34 (Newman Quad)	10/11/76	Unbalanced
BEX-12	Brushy Fork, 2 mi E Newman, 20 ft downstream bridge, Douglas County, Illinois, T16N, R14W, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 33 (Newman Quad)	10/12/76	Semi-Polluted
BEX-13	Brushy Fork, E Newman, 0.1 mi upstream Continental Manor Nursing Home, Douglas County, Illinois, T16N, R14W, NW $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 31 (Newman Quad)	10/12/76	Semi-Polluted
BEX-14	Brushy Fork, 1 mi SW Newman, Douglas County, Illinois, T15N, R14W, NE $\frac{1}{4}$, Sec. 5 (Newman Quad)	10/12/76	Unbalanced
BEX-15	Brushy Fork, 3 mi SW Newman, Douglas County, Illinois, T15N, R11E, NW $\frac{1}{4}$, Sec. 7 (Newman Quad)	10/13/76	Semi-Polluted
BEXZ	Unnamed tributary Brushy Fork, 3 mi NE Hume, Edgar County, Illinois, T16N, R13W, NE $\frac{1}{4}$, Sec. 35 (Newman Quad)	10/11/76	Dry

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
BEXZ	Unnamed tributary Brushy Creek, 2 mi W Hume, Edgar County, Illinois, T16N, R14W, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 35 (Newman Quad)	10/11/76	Dry
BEXZ	Unnamed tributary Brushy Fork, 1.5 mi W Hume, Edgar County, Illinois, T16N, R14W, SE $\frac{1}{4}$, Sec. 35 (Newman Quad)	10/12/76	Dry
BEXZ	Unnamed tributary Brushy Fork, 3.5 mi N Hume, Edgar County, Illinois, T16N, R13W, SW $\frac{1}{4}$, Sec. 7 (Newman Quad)	10/11/76	Dry
BEXZ	Unnamed tributary Brushy Fork, 2 mi NW Hume, Edgar County, Illinois, T16N, R14W, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 26 (Newman Quad)	10/11/76	Dry
BEXZ	Unnamed tributary Brushy Fork, 2.5 mi W Hume, T16N, R14W, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 34 (Newman Quad)	10/11/76	Dry
BEXZ	Unnamed tributary Brushy Fork, 0.75 mi NE Newman, Douglas County, Illinois, T16N, R14W, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 31 (Newman Quad)	10/12/76	Dry
BEXZ	Unnamed tributary Brushy Fork, 2.75 mi S Murdock, Douglas County, Illinois, T15N, R10E, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 3 (Villa Grove Quad)	10/12/76	Dry
BEXZ	Unnamed tributary Brushy Fork, 1 mi NW Newman, Douglas County, Illinois, T16N, T11E, NW $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 31 (Villa Grove Quad)	10/13/76	Dry
BEXZ	Unnamed tributary Brushy Fork, 4.25 mi S Murdock, Douglas County, Illinois, T15N, R10E, NE $\frac{1}{4}$, Sec. 21 (Oakland Quad)	10/13/76	Dry
BEXZ	Unnamed tributary Brushy Fork, 1 mi NW Hume, Edgar County, Illinois, T16N, R13W, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 30 (Newman Quad)	10/11/76	Dry
BEXZ-10	Unnamed tributary Brushy Fork, 4 mi NW Hume downstream bridge, Edgar County, Illinois, T16N, R14W, NW $\frac{1}{4}$, Sec. 22 (Newman Quad)	10/12/76	Unbalanced
BEXZ-11	Unnamed tributary Brushy Fork, 0.75 mi SE Newman, downstream bridge, Douglas County, Illinois, T15N, R14W, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 4 (Newman Quad)	10/12/76	Unbalanced
BEXZ-12	Unnamed tributary Brushy Fork, 0.75 mi W Newman, downstream US 36 bridge, Douglas County, Illinois, T15N, R14W, NW $\frac{1}{4}$, Sec. 5 (Newman Quad)	10/13/76	Semi-Polluted
BEXZ-13	Unnamed tributary Brushy Fork, 2.5 mi NE Newman, downstream bridge, Douglas County, Illinois, T16N, R14W, NE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 28 (Newman Quad)	10/12/76	Semi-Polluted
BEXZZ	Unnamed tributary of unnamed tributary Brushy Fork, 1 mi W Metcalf, Edgar County, Illinois, T16N, R13W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 28 (Newman Quad)	10/11/76	Dry
BEXZZ-10	Unnamed tributary of unnamed tributary Brushy Fork, 0.25 mi W Hume, Edgar County, Illinois, T16N, R13W, SW $\frac{1}{4}$, Sec. 31 (Newman Quad)	10/11/76	Semi-Polluted

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
BEZ	Unnamed tributary Embarras River, Fox Ridge State Park, 6.8 mi S Charleston, Coles County, Illinois, T11N, R9E, SW $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 13 (Toledo Quad)	09/14/76	Dry
BEZ	Unnamed tributary Embarras River, Lone Oak Mobile Home Park, 2.0 mi WNW Newton, Jasper County, Illinois, T7N, R9E, SE $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 34 (Greenup Quad)	10/08/76	Dry
BEZ	Unnamed tributary Embarras River, 0.5 mi SW St. Marie, behind St. Marie School, Jasper County, Illinois, T6N, R11E, SE $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 30 (Newton Quad)	06/13/77	Dry
BEZ	Lagoon, 0.8 mi SW St. Marie, St. Marie wastewater treatment plant outfall, Jasper County, Illinois, T6N, R14W, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 30 (Newton Quad)	06/13/77	Dry
BEZ	Unnamed tributary Embarras River, 4.5 mi ESE Pesotum, Champaign County, Illinois, T17N, R9E, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 8 (Villa Grove Quad)	10/20/76	Dry
BEZ	Unnamed tributary Embarras River, 1.5 mi E Tolono, Champaign County, Illinois, T18N, R9E, NW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 30 (Villa Grove Quad)	10/21/76	Dry
BEZ	Unnamed tributary Embarras River, SW Savoy, 0.25 mi upstream Willard Airport discharge, Champaign County, Illinois, T18N, R8E, NW $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 2 (Mahomet Quad)	10/21/76	Dry
BEZ	Unnamed tributary Embarras River, 2.5 mi ENE Charleston, Coles County, Illinois, T12N, R10E, SW $\frac{1}{4}$, Sec. 5 (Oakland Quad)	10/14/76	Dry
BEZ	Unnamed tributary Embarras River, 1.8 mi E Charleston, Francis Mobile Home Park, Coles County, Illinois, T12N, R10E, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 7 (Oakland Quad)	10/14/76	Dry
BEZ	Unnamed tributary Embarras River, 1.8 mi WNW Greenup, Cumberland County, Illinois, T9N, R9E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 3 (Toledo Quad)	09/22/76	Dry
BEZ-10	Unnamed tributary Embarras River, 200 yd downstream Savoy wastewater treatment plant outfall at Lake Park, Champaign County, Illinois, T19N, R9E, NW $\frac{1}{4}$, Sec. 31 (Urbana Quad)	10/22/76	Semi-Polluted
BEZ-11	Unnamed tributary Embarras River, 0.5 mi E Savoy, Champaign County, Illinois, T19N, R8E, NE $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 36 (Urbana Quad)	10/22/76	Unbalanced
BEZ-12	Unnamed tributary Embarras River, 3.5 mi S Champaign, Champaign County, Illinois, T18N, R8E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 1 (Urbana Quad)	10/21/76	Semi-Polluted
BEZ-13	Unnamed tributary Embarras River, 2.5 mi SE Tolono, Champaign County, Illinois, T18N, R9E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 32 (Villa Grove Quad)	10/21/76	Semi-Polluted
BEZ-14	Unnamed tributary Embarras River, 2.5 mi E Charleston, Coles County, Illinois, T12N, R10E, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 7 (Oakland Quad)	10/14/76	Semi-Polluted

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
BEZ-15	Unnamed tributary Embarras River, 1.6 mi WNW Greenup, 200 yd below Cumberland Grade and High School wastewater outfall, Cumberland County, Illinois, T9N, R9E, NW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 3 (Toledo Quad)	10/12/76	Polluted
BEZ-16	Unnamed tributary Embarras River, SW Greenup, 250 yd downstream Greenup wastewater treatment plant outfall, Cumberland County, Illinois, T9N, R9E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 10 (Greenup Quad)	10/12/76	Polluted
BEZ-17	Unnamed tributary Embarras River, in SW Greenup, 20 yd upstream Greenup wastewater treatment plant outfall, Cumberland County, Illinois, T9N, R9E, SW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 11 (Greenup Quad)	10/12/76	Polluted
BEZ-18	Unnamed tributary Embarras River, 2.7 mi S St. Marie, Jasper County, Illinois, T5N, R14W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 6 (Newton Quad)	06/13/77	Unbalanced
BEZA-10	Beaver Pond Ditch, 4.2 mi ESE Lawrenceville, Lawrence County, Illinois, T3N, R11W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 11 (Vincennes Quad)	06/09/77	Unbalanced
BEZA-11	Beaver Pond Ditch, 3.1 mi ENE Lawrenceville, Lawrence County, Illinois, T4N, R11W, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 34 (Lawrenceville Quad)	06/10/77	Unbalanced
BEZA-12	Beaver Pond Ditch, 3.2 mi SE Pinkstaff, Lawrence County, Illinois, T4N, R11W, NE $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 27 (Birds Quad)	06/10/77	Unbalanced
BEZB	Indian Creek, 5.7 mi S Charleston, Coles County, Illinois, T11N, R9E, NE $\frac{1}{4}$, Sec. 10 (Toledo Quad)	09/21/76	Dry
BEZB-10	Indian Creek, 2.6 mi S Lawrenceville, Lawrence County, Illinois, T3N, R12W, SW $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 13 (Lawrenceville Quad)	06/08/77	Semi-Polluted
BEZB-11	Indian Creek, 3.2 mi SW Lawrenceville, Lawrence County, Illinois, T3N, R12W, NE $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 15 (Lawrenceville Quad)	06/08/77	Semi-Polluted
BEZB-12	Indian Creek, 0.4 mi ESE Bridgeport, Lawrence County, Illinois, T3N, R12W, NW $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 9 (Sumner Quad)	06/08/77	Semi-Polluted
BEZBA	North Fork Indian Creek, 5.7 mi SSW Charleston, Coles County, Illinois, T11N, R9E, SW $\frac{1}{4}$, Sec. 4 (Toledo Quad)	09/21/76	Dry
BEZBB	South Fork Indian Creek, 7.0 mi SSW Charleston, Coles County, Illinois, T11N, R9E, SE $\frac{1}{4}$, Sec. 7 (Toledo Quad)	09/21/76	Dry
BEZC-10	Otter Pond Ditch, 3.1 mi ESE Pinkstaff, Lawrence County, Illinois, T4N, R11W, NE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 15 (Russellville Quad)	06/09/77	Semi-Polluted
BEZCA	Unnamed tributary Otter Pond Ditch, 3.7 mi WNW Russellville, Lawrence County, Illinois, T5N, R11W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 26 (Russellville Quad)	06/10/77	Dry

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
BEZE-10	Eagle Branch, 3.5 mi NNW Petrolia, Lawrence County, Illinois, T4N, R13W, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 1 (Chauncey Quad)	06/09/77	Semi-Polluted
BEZG-10	Pond Grove Creek, 3.4 mi SSW St. Marie, Jasper County, Illinois, T5N, R10E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 12 (Newton Quad)	06/12/77	Unbalanced
BEZJ	Brush Creek, 1.2 mi SE Newton, Jasper County, Illinois, T6N, R10E, NW $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 7 (Newton Quad)	06/13/77	Dry
BEZJ-10	Brush Creek, 1.5 mi E Newton, Jasper County, Illinois, T6N, R10E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 6 (Newton Quad)	06/13/77	Polluted
BEZK	Turkey Creek, 3.7 mi WSW Falmouth, Jasper County, Illinois, T7N, R9E, NE $\frac{1}{4}$, Sec. 21 (Greenup Quad)	10/07/76	Dry
BEZM	Wolf Creek, 2.6 mi W Rose Hill, Jasper County, Illinois, T8N, R9E, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 27 (Greenup Quad)	10/07/76	Dry
BEZN	Hill Creek, 3.0 mi NW Rose Hill, Jasper County, Illinois, T8N, R9E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 21 (Greenup Quad)	10/07/76	Dry
BEZV	Whetstone Creek, 4.4 mi SE Charleston, Coles County, Illinois, T12N, R10E, SE $\frac{1}{4}$, Sec. 20 (Toledo Quad)	09/21/76	Dry
BEZV	Whetstone Creek, 4.5 mi SSW Ashmore, Coles County, Illinois, T12N, R10E, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 23 (Toledo Quad)	09/16/76	Dry
BEZW	Rattlesnake Creek, 3.7 mi E Charleston, Coles County, Illinois, T12N, R10E, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 17 (Toledo Quad)	09/16/76	Dry
BEZYZ	Unnamed tributary Deer Creek, 0.5 mi W Hindsboro, at IL 133 bridge, Douglas County, Illinois, T14N, R9E, SE $\frac{1}{4}$, Sec. 1 (Oakland Quad)	10/07/76	Dry
BEZZA-10	Allison Ditch, 5.1 mi ESE Lawrenceville, Lawrence County, Illinois, T3N, R11W, SW $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 12 (Vincennes Quad)	06/09/77	Unbalanced
BEZZA-11	Allison Ditch, 3.2 mi SW Russellville, Lawrence County, Illinois, T4N, R11W, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 12 (Russellville Quad)	06/10/77	Semi-Polluted
BEZZAA-10	Allison Ditch #2, 6.3 mi ESE Lawrenceville, Lawrence County, Illinois, T3N, R10W, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 18 (Vincennes Quad)	06/09/77	Unbalanced
BEZZAB-10	Taylor Ditch, 2.6 mi WSW Russellville, Lawrence County, Illinois, T4N, R10W, NW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 7 (Russellville Quad)	06/10/77	Balanced

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
BF	Sugar Creek, 3.6 mi NW Palestine, downstream bridge, Crawford County, Illinois, T7N, R11W, SW $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 20 (Hutsonville Quad)	05/26/77	Dry
BF-01	Sugar Creek, 0.8 mi E Palestine, Crawford County, Illinois, T7N, R11W, NW $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 35 (Hutsonville Quad)	05/26/77	Polluted
BF-11A BF-11B	Sugar Creek, 1.7 mi NW Palestine, Crawford County, Illinois, T7N, R11W, NW $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 28 (Hutsonville Quad)	05/26/77 10/11/77	Semi-Polluted Semi-Polluted
BF-12	Sugar Creek, 1.8 mi SSE Trimble, Crawford County, Illinois, T7N, R11W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 18 (Hutsonville Quad)	05/29/77	Semi-Polluted
BF-13	Sugar Creek, 0.7 mi W Trimble, Crawford County, Illinois, T7N, R12W, SE $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 12 (Hutsonville Quad)	05/26/77	Unbalanced
BFA-10	Minnow Slough, 1.5 mi E Palestine, Crawford County, Illinois, T7N, R11W, SW $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 36 (Hutsonville Quad)	05/26/77	Unbalanced
BFA-11	Minnow Slough, 3.2 mi N Palestine, Crawford County, Illinois, T7N, R11W, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 14 (Hutsonville Quad)	05/28/77	Unbalanced
BFB-10	Lamotte Creek, 1.1 mi SE Palestine, Crawford County, Illinois, T6N, R11W, NE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 2 (Heathsville Quad)	05/26/77	Unbalanced
BFB-11	Lamotte Creek, 0.6 mi SSE Palestine, Crawford County, Illinois, T6N, R11W, NW $\frac{1}{4}$, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 2 (Heathsville Quad)	05/26/77	Unbalanced
BFB-12	Lamotte Creek, 1.9 mi SW Palestine, Crawford County, Illinois, T6N, R11W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 9 (Flat Rock Quad)	05/26/77	Unbalanced
BFB-13	Lamotte Creek, 3.8 mi SW Palestine, Crawford County, Illinois, T6N, R11W, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 18 (Flat Rock Quad)	05/27/77	Unbalanced
BFBZ-10	Unnamed tributary Lamotte Creek, 1.6 mi WSW Palestine, Crawford County, Illinois, T6N, R11W, NE $\frac{1}{4}$, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 4 (Flat Rock Quad)	05/27/77	Semi-Polluted
BFBZ-11	Unnamed tributary Lamotte Creek, 3.4 mi SW Palestine, Crawford County, Illinois, T6N, R11W, NW $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 22 (Flat Rock Quad)	05/26/77	Semi-Polluted
BFBZ-12	Unnamed tributary Lamotte Creek, 3.5 mi SW Palestine, Crawford County, Illinois, T6N, R11W, NE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 7 (Flat Rock Quad)	05/27/77	Balanced

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
BFZ	Unnamed tributary Sugar Creek, 1.3 mi ENE Palestine, Crawford County, Illinois, T7N, R11W, SW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 36 (Hutsonville Quad)	05/26/77	Dry
BFZ-10	Unnamed tributary Sugar Creek, 2.5 mi NW Palestine, Crawford County, Illinois, T7N, R11W, NW $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 29 (Hutsonville Quad)	05/26/77	Semi-Polluted
BFZ-11A	Unnamed tributary Sugar Creek, 3.0 mi	05/25/77	Polluted
BFZ-11B	E Robinson, 0.3 mi N Gordon, Crawford County, Illinois, T7N, R12W, SE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 36 (Hutsonville Quad)	10/11/77	Semi-Polluted
BFZ-12	Unnamed tributary Sugar Creek, 1.1 mi NE Robinson, Crawford County, Illinois, T7N, R12W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 27 (Hutsonville Quad)	05/27/77	Polluted
BFZ-13	Unnamed tributary Sugar Creek, 1.1 mi NE Robinson, Crawford County, Illinois, T7N, R12W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 27 (Hutsonville Quad)	05/27/77	Unbalanced
BFZ-14	Unnamed tributary Sugar Creek, 3.7 mi NE Robinson, Crawford County, Illinois, T7N, R12W, NE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 24 (Hutsonville Quad)	05/27/77	Unbalanced
BFZ-15	Unnamed tributary Sugar Creek, 2.6 mi E Robinson, Crawford County, Illinois, T7N, R12W, NE $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 36 (Hutsonville Quad)	05/29/77	Balanced
BFZ-16	Unnamed tributary Sugar Creek, 1.1 mi NE Robinson, Crawford County, Illinois, T7N, R12W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 27 (Hutsonville Quad)	05/27/77	Balanced
BFZ-17	Unnamed tributary Sugar Creek, 0.7 mi WSW Robinson, Crawford County, Illinois, T7N, R12W, SW $\frac{1}{4}$, Sec. 33 (Annapolis Quad)	05/24/77	Unbalanced
BFZ-18	Unnamed tributary Sugar Creek, 0.8 mi WSW Robinson, Crawford County, Illinois, T7N, R12W, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 33 (Annapolis Quad)	05/24/77	Unbalanced
BFZ-19	Unnamed tributary Sugar Creek, 1.1 mi NE Robinson, 300 yd downstream waste- water treatment plant outfall, Crawford County, Illinois, T7N, R12W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 27 (Hutsonville Quad)	05/27/77	Polluted
BFZ-20	Unnamed tributary Sugar Creek, 1.1 mi NE Robinson, 50 yd upstream wastewater treatment plant outfall, Crawford County, Illinois, T7N, R12W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 27 (Hutsonville Quad)	05/27/77	Unbalanced
BG-10	Raccoon Creek, 2.7 mi N Hutsonville, Crawford County, Illinois, T8N, R11W, SW $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 8 (Hutsonville Quad)	05/28/77	Unbalanced
BG-11	Raccoon Creek, 0.9 mi SW West York, Crawford County, Illinois, T8N, R12W, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 1 (Hutsonville Quad)	05/28/77	Semi-Polluted

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
BG-12	Raccoon Creek, 4.4 mi SW West Union, Clark County, Illinois, T9N, R12W, NE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 34 (Hutsonville Quad)	05/29/77	Unbalanced
BG-13	Raccoon Creek, 2.1 mi S Melrose, Clark County, Illinois, T9N, R12W, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 29 (Annapolis Quad)	05/29/77	Balanced
BGA	North Fork Raccoon Creek, 2.9 mi WSW West Union, Clark County, Illinois, T9N, R12W, SW $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 26 (Hutsonville Quad)	05/29/77	Dry
BGA-10	North Fork Raccoon Creek, 1.1 mi W West York, Crawford County, Illinois, T8N, R12W, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 1 (Hutsonville Quad)	05/28/77	Unbalanced
BGB	South Fork Raccoon Creek, 4.3 WSW West York, Crawford County, Illinois, T8N, R12W, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 9 (Hutsonville Quad)	05/28/77	Dry
BGB-10	South Fork Raccoon Creek, 2.7 mi WSW West York, Crawford County, Illinois, T8N, R12W, SW $\frac{1}{4}$, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 11 (Hutsonville Quad)	05/29/77	Semi-Polluted
BGZ	Unnamed tributary Raccoon Creek, 3 mi S West Union, Clark County, Illinois, T9N, R11W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 31 (Hutsonville Quad)	05/29/77	Dry
BH	Mill Creek, 7 mi SE Kansas, Edgar County, Illinois, T12N, R13W, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 14 (Casey Quad)	06/14/77	Dry
BH-01A	Mill Creek, 3.3 mi SE Clark Center, Clark County, Illinois, T10N, R12W, SW $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 9 (Snyder Quad)	06/03/77	Unbalanced
BH-01B		10/12/77	Unbalanced
BH-10	Mill Creek, 0.5 mi NE York, Clark County, Illinois, T9N, R11W, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 33 (Hutsonville Quad)	05/29/77	Balanced
BH-11	Mill Creek, 1.4 mi E West Union, Clark County, Illinois, T9N, R11W, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 16 (Hutsonville Quad)	06/01/77	Balanced
BH-12	Mill Creek, 0.5 mi S Walnut Prairie, Clark County, Illinois, T9N, R11W, NE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 7 (Hutsonville Quad)	06/01/77	Unbalanced
BH-13	Mill Creek, 2.0 mi SW Hatton, Clark County, Illinois, T10N, R12W, SW $\frac{1}{4}$, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 36 (Snyder Quad)	06/03/77	Balanced
BH-14	Mill Creek, 2.6 mi WNW Hatton, Clark County, Illinois, T10N, R12W, SW $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 23 (Snyder Quad)	06/03/77	Unbalanced
BH-15	Mill Creek, 0.6 mi ENE Clark Center, Clark County, Illinois, T11N, R12W, SE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 31 (Casey Quad)	06/05/77	Unbalanced
BH-16	Mill Creek, 1.6 mi N Clark Center, Clark County, Illinois, T11N, R12W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 19 (Casey Quad)	06/12/77	Unbalanced
BH-17	Mill Creek, 0.5 mi W Clarksville, Clark County, Illinois, T12N, R13W, NW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 36 (Casey Quad)	06/13/77	Unbalanced

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BHA	Joes Fork Mill Creek, 2.5 mi SW Hatton Clark County, Illinois, T9N, R12W, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 35 (Snyder Quad)	06/03/77	Dry
BHA-10	Joes Fork, 4.5 mi WSW Hatton, Clark County, Illinois, T9N, R12W, NW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 4 (Snyder Quad)	06/04/77	Unbalanced
BHC-10	Hurricane Creek, 4.1 mi SE Clark Center, Clark County, Illinois, T10N, R12W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 16 (Snyder Quad)	06/03/77	Unbalanced
BHC-11	Hurricane Creek, 2.9 mi S Clark Center, Clark County, Illinois, T10N, R12W, NE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 18 (Casey Quad)	06/04/77	Unbalanced
BHC-12	Hurricane Creek, 2.5 mi SSW Clark Center, Clark County, Illinois, T10N, R13W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 12 (Casey Quad)	06/04/77	Unbalanced
BHCA-10	Blackburn Branch, 4.1 mi S Clark Center, Clark County, Illinois, T10N, R12W, NE $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 19 (Casey Quad)	06/04/77	Unbalanced
BHCA-11	Blackburn Branch, 3.7 mi SSW Clark Center, Clark County, Illinois, T10N, R13W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 14 (Casey Quad)	06/04/77	Unbalanced
BHCB-10	Johnson Branch, 1.4 mi SW Clark Center, Clark County, Illinois, T10N, R13W, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 1 (Casey Quad)	06/04/77	Semi-Polluted
BHD-10	Sandy Branch, 3.7 mi SE Clark Center, Clark County, Illinois, T10N, R12W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 10 (Snyder Quad)	06/04/77	Unbalanced
BHE	Auburn Branch Mill Creek, 1.6 mi SSE Clark Center, Clark County, Illinois, T10N, R12W, NW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 5 (Casey Quad)	06/05/77	Dry
BHF	East Mill Creek, 2.6 mi NW Marshall, Clark County, Illinois, T11N, R12W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 10 (Marshall Quad)	06/06/77	Dry
BHF-10	East Mill Creek, 2.2 mi WSW Marshall, Clark County, Illinois, T11N, R12W, NE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 28 (Marshall Quad)	06/05/77	Unbalanced
BHF-11	East Mill Creek, 2.4 mi NW Marshall at Lazy G Mobile Home Park lagoon, Clark County, Illinois, T11N, R12W, NE $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 15 (Marshall Quad)	06/16/77	Unbalanced
BHFZ	Unnamed tributary E Mill Creek, 1.7 mi NW Marshall, Clark County, Illinois, T11N, R12W, SW $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 15 (Marshall Quad)	06/05/77	Dry
BHFZ	Unnamed tributary E Mill Creek, downstream bridge, 1.5 mi NW Marshall, Clark County, Illinois, T11N, R12W, NE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 15 (Marshall Quad)	06/05/77	Dry
BHFZ-10	Unnamed tributary E Mill Creek, 1.1 mi W Marshall, Clark County, Illinois, T11N, R12W, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 22 (Marshall Quad)	06/03/77	Polluted
BHFZ-11	Unnamed tributary E Mill Creek, 0.7 mi W Marshall, upstream wastewater treatment plant outfall, Clark County, Illinois, T11N, R12W, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 23 NW (Marshall Quad)	06/03/77	Semi-Polluted

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BHFZ-12	Unnamed tributary E Mill Creek, 2.3 mi W Marshall at confluence E Mill Creek, Clark County, Illinois, T11N, R12W, NW $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 28 (Marshall Quad)	06/05/77	Unbalanced
BHFZ-13	Unnamed tributary E Mill Creek, 2.5 mi W Marshall, Clark County, Illinois, T11N, R12W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 16 (Marshall Quad)	06/13/77	Unbalanced
BHG-10	Fox Creek, 3.2 mi N Clark Center, Clark County, Illinois, T11N, R12W, SW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 18 (Casey Quad)	06/13/77	Unbalanced
BHH-10	Ennis Creek, 2.6 mi SW Clarksville, Clark County, Illinois, T11N, R13W, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 3 (Casey Quad)	06/13/77	Unbalanced
BHL-10	Little Creek, 1.7 mi NNW West Union, downstream bridge, Clark County, Illinois, T9N, R11W, SW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 7 (Hutsonville Quad)	06/01/77	Unbalanced
BHZ-10	Unnamed tributary Mill Creek, 1.4 mi NNW Clark Center, Clark County, Illinois, T11N, R13W, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 25 (Casey Quad)	06/12/77	Semi-Polluted
BI	Sugar Creek, 2.5 mi N Darwin, Clark County, Illinois, T10N, R11W, NE $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 10 (Hutton Quad)	06/02/77	Dry
BIB-10	Partridge Creek, 1.5 mi NNW Darwin, Clark County, Illinois, T10N, R11W, NW $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 15 (Hutton Quad)	06/02/77	Semi-Polluted
BIB-11	Partridge Creek, 2.9 mi NW Darwin, downstream bridge, Clark County, Illinois, T10N, R11W, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 17 (Snyder Quad)	06/02/77	Unbalanced
BIC	Neely Creek, 1.1 mi N Darwin, Clark County, Illinois, T10N, R11W, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 22 (Hutton Quad)	06/01/77	Dry
BIC	Neely Creek, 2.1 mi SW Darwin, Clark County, Illinois, T10N, R11W, NE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 32 (Snyder Quad)	06/01/77	Dry
BICZ	Unnamed tributary Neely Creek, 1.3 mi W Darwin, Clark County, Illinois, T10N, R11W, SE $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 28 (Snyder Quad)	06/01/77	Dry
BJ-01	Big Creek, 5.4 mi ESE Marshall, Clark County, Illinois, T11N, R11W, NW $\frac{1}{4}$, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 35 (Hutton Quad)	06/02/77	Balanced
BJ-10	Big Creek, 0.5 mi W Livingston, Clark County, Illinois, T11N, R11W, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 17 (Marshall Quad)	06/02/77	Balanced
BJ-11	Big Creek, 3 mi N Marshall, Clark County, Illinois, T12N, R12W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 36SE (Marshall Quad)	06/06/77	Unbalanced
BJ-12	Big Creek, 6.3 mi SW Paris, Edgar County, Illinois, T13N, R12W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 33 (Paris Quad)	06/14/77	Unbalanced
BJ-13	Big Creek, 5.7 mi SW Paris, downstream bridge, Edgar County, Illinois, T13N, R12W, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 29 (Kansas Quad)	06/16/77	Semi-Polluted

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
BJA-10	Little Creek, 2.5 mi ESE Marshall, Clark County, Illinois, T11N, R11W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 20 (Marshall Quad)	06/12/77	Unbalanced
BJAZ-10	Unnamed tributary Little Creek, 1.2 mi E Marshall, 200 yd downstream Marshall East wastewater treatment plant outfall, Clark County, Illinois, T11N, R11W, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 19 (Marshall Quad)	06/02/77	Polluted
BJAZ-11	Unnamed tributary Little Creek, 1.1 mi E Marshall, 8 yd upstream Marshall East wastewater treatment plant outfall, Clark County, Illinois, T11N, R11W, NW $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 19 (Marshall Quad)	06/02/77	Polluted
BJB-10	West Fork Big Creek, 4.1 mi NNW Marshall, Clark County, Illinois, T12N, R12W, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 34 (Marshall Quad)	06/05/77	Balanced
BJB-11	West Fork Big Creek, 3.5 mi ENE Clarksville, Clark County, Illinois, T12N, R12W, SE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 28 (Marshall Quad)	06/13/77	Balanced
BJB-12	West Fork Big Creek, 4.2 mi ENE Clarksville, downstream bridge, Clark County, Illinois, T12N, R12W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 20 (Casey Quad)	06/13/77	Unbalanced
BJB-13	West Fork Big Creek, 1.9 mi WSW Bell Ridge, Edgar County, Illinois, T12N, R13W, SE $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 13 (Casey Quad)	06/14/77	Unbalanced
BJB-14	West Fork Big Creek, 1.1 mi SE Grandview, downstream ford, Edgar County, Illinois, T12N, R13W, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 2 (Kansas Quad)	06/15/77	Unbalanced
BJB-15	West Fork Big Creek, 0.4 mi S Grandview, Edgar County, Illinois, T13N, R13W, NE $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 34 (Kansas Quad)	06/15/77	Unbalanced
BJBB-10	Flemington Creek, 0.7 mi NW Bell Ridge, Edgar County, Illinois, T12N, R12W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 6 (Kansas Quad)	06/14/77	Semi-Polluted
BJBB-11	Flemington Creek, 2.2 mi NW Bell Ridge, downstream bridge, Edgar County, Illinois, T12N, R13W, NW $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 1 (Kansas Quad)	06/15/77	Semi-Polluted
BJBZ-10	Unnamed tributary West Fork Big Creek, 4.2 mi ENE Clarksville, at ford, Clark County, Illinois, T12N, R12W, NW $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 22 (Marshall Quad)	06/13/77	Unbalanced
BJC-10	East Fork Big Creek, 3.2 mi N Marshall, downstream bridge, Clark County, Illinois, T12N, R12W, NW $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 36NW (Marshall Quad)	06/05/77	Unbalanced
BJC-11	East Fork Big Creek, 0.6 mi NW Oliver, Edgar County, Illinois, T12N, R12W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 13NW (Marshall Quad)	06/06/77	Unbalanced

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
BJC-12	East Fork Big Creek, 3.0 mi NE Bell Ridge, Edgar County, Illinois, T13N, R12W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 35 (Paris Quad)	06/06/77	Unbalanced
BJC-13	East Fork Big Creek, 4 mi SSW Paris, Edgar County, Illinois, T13N, R12W, SW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 26 (Paris Quad)	06/16/77	Unbalanced
BJD	East Little Creek, 0.4 mi E Livingston, Clark County, Illinois, T11N, R11W, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 9 (Marshall Quad)	06/02/77	Dry
BJD-10	East Little Creek, 1.1 mi N Livingston, Clark County, Illinois, T11N, R11W, NE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 5 (Marshall Quad)	06/12/77	Unbalanced
BJZ	Unnamed tributary Big Creek, Illinois Department of Transportation Rest Area, I-70, 4 mi NE Marshall, Clark County, Illinois, T11N, R11W, Sec. 5 (Marshall Quad)	06/05/77	Dry
BJZ	Unnamed tributary Big Creek, 2.8 mi N Marshall at confluence Big Creek, Clark County, Illinois, T12N, R12W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 36 (Marshall Quad)	06/06/77	Dry
BJZ	Unnamed tributary Big Creek, 3.3 mi SE Livingston, Clark County, Illinois, T11N, R11W, NE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 27 (Hutton Quad)	06/11/77	Dry
BJZ	Unnamed tributary Big Creek, 2.2 mi SE Livingston, Clark County, Illinois, T11N, R11W, NE $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 22 (Dennison Quad)	06/11/77	Dry
BJZ-10	Unnamed tributary Big Creek, 2.7 mi N Marshall, 200 yd downstream Marathon Station discharge, Clark County, Illinois, T11N, R12W, NE $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 1SE (Marshall Quad)	06/03/77	Unbalanced
BJZ-11	Unnamed tributary Big Creek, 2.6 mi N Marshall, 10 yd upstream Marathon Station discharge, Clark County, Illinois, T11N, R12W, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 1 SE (Marshall Quad)	06/03/77	Semi-Polluted
BK-10	Ashmore Creek, 4.5 mi SSE Weaver, downstream bridge, Clark County, Illinois, T11N, R10W, NW $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 31 (Hutton Quad)	06/12/77	Semi-Polluted
BK-11	Ashmore Creek, 2.9 mi SSE Weaver, at ford, Clark County, Illinois, T11N, R11W, SW $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 24 (Dennison Quad)	06/12/77	Unbalanced
BL-10	Clear Creek, 1.1 mi NNW State Line (town), at ford, Clark County, Illinois, T12N, R10W, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 31 (Dennison Quad)	06/12/77	Balanced
BL-11	Clear Creek, 0.6 mi N Dennison, Clark County, Illinois, T12N, R11W, SW $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 23 (Dennison Quad)	06/11/77	Unbalanced
BL-12	Clear Creek, 2.2 mi SW Elbridge, at ford, Edgar County, Illinois, T12N, R11W, SE $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 10 (Dennison Quad)	06/14/77	Unbalanced
BL-13	Clear Creek, 0.9 mi W Nevins, Edgar County, Illinois, T13N, R11W, NE $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 32 (Paris Quad)	06/15/77	Unbalanced
BL-14	Clear Creek, 3.6 mi SSE Paris, Edgar County, Illinois, T13N, R11W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 18SE (Paris Quad)	06/15/77	Unbalanced

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
BLB-10	Mud Creek, 0.7 mi NNW Dennison, Clark County, Illinois, T12N, R11W, SW $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 23 (Dennison Quad)	06/11/77	Unbalanced
BLB-11	Mud Creek, 2.9 mi E Oliver, Edgar County, Illinois, T12N, R11W, SW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 15 (Marshall Quad)	06/14/77	Unbalanced
BLB-12	Mud Creek, 1.1 mi NNE Oliver, at bridge, Edgar County, Illinois, T12N, R11W, NE $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 7 (Marshall Quad)	06/15/77	Balanced
BM	Sugar Creek, 4 mi NE Paris, Edgar County, Illinois, T14N, R12W, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 21 (Paris Quad)	09/25/76	Dry
BM-01	Sugar Creek, 3.5 mi S Vermilion, Vermilion St. bridge, Edgar County, Illinois, T13N, R11W, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 36 (Paris Quad)	09/24/76	Unbalanced
BM-11	Sugar Creek, on State Line Road, 7.5 mi SSE Vermilion, Edgar County, Illinois, T12N, R10W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 16 (Dennison Quad)	09/25/76	Unbalanced
BM-12	Sugar Creek, 4.75 mi SE Paris, downstream bridge, Edgar County, Illinois, T13N, R11W, NE $\frac{1}{4}$, Sec. 21 (Paris Quad)	09/25/76	Semi-Polluted
BM-13	Sugar Creek, 3.5 mi SE Paris, 200 ft downstream bridge, Edgar County, Illinois, T13N, R11W, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 9 (Paris Quad)	09/24/76	Semi-Polluted
BM-14	Sugar Creek, 1 mi E Paris at US 150 bridge, Edgar County, Illinois, T14N, R11W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 32 (Paris Quad)	09/24/76	Semi-Polluted
BM-15	Sugar Creek, 200 yd downstream Paris South wastewater treatment plant, 0.25 mi upstream Sycamore Hills Country Club discharge in E Paris, Edgar County, Illinois, T13N, R11W, SW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 5 (Paris Quad)	09/24/76	Semi-Polluted
BM-16	Sugar Creek, at Sycamore Hills Country Club, 500 ft downstream Paris South wastewater treatment plant outfall, E side Paris, Edgar County, Illinois, T13N, R11W, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 5 (Paris Quad)	09/24/76	Semi-Polluted
BM-17	Sugar Creek, E side Paris, 100 ft upstream Paris South wastewater treatment plant outfall, Edgar County, Illinois, T14N, R11W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 31 (Paris Quad)	09/24/76	Unbalanced
BM-18	Sugar Creek, 1.75 mi NE Paris, 200 yd downstream Paris North wastewater treatment plant outfall, Edgar County, Illinois, T14N, R11W, NW $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 31 (Paris Quad)	09/24/76	Semi-Polluted
BM-19	Sugar Creek, 1.75 mi NE Paris, 200 ft upstream Paris North wastewater treatment plant outfall, downstream Twin Lakes spillway, Edgar County, Illinois, T14N, R11W, SE $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 31 (Paris Quad)	09/24/76	Semi-Polluted
BM-20	Sugar Creek, 2.75 mi NNW Paris, Edgar County, Illinois, T14N, R12W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 23 (Paris Quad)	09/25/76	Unbalanced

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
BMC	Indian Creek, 2.25 mi S Vermilion on County Road S400, Edgar County, Illinois, T13N, R11W, SE $\frac{1}{4}$, Sec. 24 (Paris Quad)	09/25/76	Dry
BMC-10	Indian Creek, 3 mi S Vermilion, Edgar County, Illinois, T13N, R11W, SE $\frac{1}{4}$, Sec. 25 (Paris Quad)	09/25/76	Semi-Polluted
BMZ	Unnamed tributary Sugar Creek, 1.5 mi W Paris, Edgar County, Illinois, T13N, R12W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 3 (Paris Quad)	09/24/76	Dry
BMZ	Unnamed tributary Sugar Creek, 3.5 mi NW Paris, Edgar County, Illinois, T14N, R12W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 21 (Paris Quad)	09/25/76	Dry
BN	Brouilletts Creek, 7.75 mi NNE Paris, Edgar County, Illinois, T15N, R11W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 28 (Paris Quad)	09/26/76	Dry
BN	Brouilletts Creek, 2 mi W Chrisman, Edgar County, Illinois, T16N, R12W, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 28 (Ridge Farm Quad)	10/08/76	Dry
BN-10	Brouilletts Creek, 10 mi NE Paris, Edgar County, Illinois, T15N, R10W, NW $\frac{1}{4}$, Sec. 32 (Paris Quad)	09/26/76	Unbalanced
BN-11	Brouilletts Creek, 8 mi NNE Paris, Edgar County, Illinois, T15N, R11W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 28 (Paris Quad)	09/26/76	Unbalanced
BNA	Coal Creek, 7.5 mi E Paris, Edgar County, Illinois, T14N, R10W, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 29 (Paris Quad)	09/25/76	Dry
BNAZ	Unnamed tributary Coal Creek, 8.5 mi E Paris, Edgar County, Illinois, T14N, R10E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 20 (Paris Quad)	09/25/76	Dry
BNB-10	North Fork Brouilletts Creek, 10 mi NE Paris, Edgar County, Illinois, T15N, R10W, SW $\frac{1}{4}$, Sec. 29 (Paris Quad)	09/26/76	Unbalanced
BNB-11	North Fork Brouilletts Creek, 4 mi ESE Chrisman, Edgar County, Illinois, T16N, R11W, SW $\frac{1}{4}$, Sec. 35 (Ridge Farm Quad)	10/08/76	Unbalanced
BNB-12	North Fork Brouilletts Creek, 1.75 mi E Chrisman, Edgar County, Illinois, T16N, R11W, NW $\frac{1}{4}$, Sec. 31 (Ridge Farm Quad)	10/08/76	Unbalanced
BNB-13	North Fork Brouilletts Creek, 1.0 mi NE Chrisman, Chrisman wastewater treatment plant outfall, Edgar County, Illinois, T16N, R12W, NE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 25 (Ridge Farm Quad)	09/26/76	Semi-Polluted
BNB-14	North Fork Brouilletts Creek, 1 mi NE Chrisman, 100 yd upstream wastewater treatment plant outfall, Edgar County, Illinois, T16N, R12W, NW $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 25 (Ridge Farm Quad)	09/26/76	Semi-Polluted
BNB-15	North Fork Brouilletts Creek, 3.5 mi NNW Chrisman, downstream bridge, Edgar County, Illinois, T16N, R12W, NE $\frac{1}{4}$, Sec. 15 (Ridge Farm Quad)	10/08/76	Unbalanced

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
BNBA	Goose Creek, 11 mi NE Paris, Edgar County, Illinois, T15N, R10W, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 20 (Paris Quad)	09/26/76	Dry
BNBB-10	Salt Fork, 11.25 mi NE Paris, Edgar County, Illinois, T15N, R10W, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 18 (Paris Quad)	09/26/76	Unbalanced
BNBB-11	Salt Fork, 5.25 mi E Chrisman at US 36, Edgar County, Illinois, T16N, R11W, SE $\frac{1}{4}$, Sec. 25 (Ridge Farm Quad)	09/26/76	Semi-Polluted
BNBBZ	Unnamed tributary Salt Fork Brouilletts Creek, 6.75 mi E Chrisman, Edgar County, Illinois, T16N, R10W, SW $\frac{1}{4}$, Sec. 29 (Ridge Farm Quad)	09/26/76	Dry
BNBC-10	Crabapple Creek, 1.75 mi E Chrisman, Edgar County, Illinois, T16N, R11W, NW $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 31 (Ridge Farm Quad)	10/08/76	Semi-Polluted
BNC-10	Snake Creek, 5.75 mi N Peru, E US 150/IL 1, Edgar County, Illinois, T14N, R11W, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 6 (Paris Quad)	09/25/76	Unbalanced
BND	South Fork Brouilletts Creek, 7.5 mi NNW Paris, Edgar County, Illinois, T14N, R12W, NE $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 5 (Kansas Quad)	09/25/76	Dry
BND	South Fork Brouilletts Creek, 4.25 mi SW Chrisman, Edgar County, Illinois, T15N, R12W, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 15 (Ridge Farm Quad)	09/25/76	Dry
BND-10	South Fork Brouilletts Creek, 7.75 mi N Paris at US 150/IL 1 bridge, Edgar County, Illinois, T15N, R11W, SW $\frac{1}{4}$, Sec. 30 (Paris Quad)	09/26/76	Unbalanced
BNDA-10	Willow Creek, 6.5 mi N Paris, Edgar County, Illinois, T15N, R12W, SE $\frac{1}{4}$, Sec. 35 (Paris Quad)	09/25/76	Unbalanced
BNE	Shiloh Drainage Ditch #3, 8.75 mi NW Paris, Edgar County, Illinois, T14N, R13W, NW $\frac{1}{4}$, Sec. 1 (Kansas Quad)	09/25/76	Dry
BNE-10	Shiloh Drainage Ditch #3, 6.25 mi WSW Chrisman, Edgar County, Illinois, T15N, R12W, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 17 (Newman Quad)	09/25/76	Semi-Polluted
BO	Little Vermilion River, 1 mi S Georgetown, Vermilion County, Illinois, T17N, R11W, NW $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 6 (Ridge Farm Quad)	10/06/76	Dry
BO-06	Little Vermilion River, 2 mi E Georgetown, Vermilion County, Illinois, T18N, R11W, SE $\frac{1}{4}$, Sec. 33 (Ridge Farm Quad)	10/06/76	Unbalanced
BO-16	Little Vermilion River, 5 mi ESE Georgetown, Vermilion County, Illinois, T17N, R11W, SW $\frac{1}{4}$, Sec. 12 (Ridge Farm Quad)	10/08/76	Unbalanced
BO-17	Little Vermilion River, 3 mi SW Georgetown, Vermilion County, Illinois, T17N, R12W, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 12 (Ridge Farm Quad)	10/06/76	Unbalanced

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
BO-18	Little Vermilion River, 3 mi E Sidell, Vermilion County, Illinois, T17N, R13W, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 25 (Newman Quad)	10/09/76	Semi-Polluted
BO-19	Little Vermilion River, 2 mi NW Sidell, Vermilion County, Illinois, T17N, R13W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 17 (Newman Quad)	10/09/76	Unbalanced
BO-20	Little Vermilion River, 5.0 mi S Homer, at IL 49, Champaign County, Illinois, T17N, R14W, NE $\frac{1}{4}$, Sec. 5 (Newman Quad)	10/09/76	Semi-Polluted
BOB	Yankee Branch, 4.5 mi SE Georgetown, Vermilion County, Illinois, T17N, R11W, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 14 (Ridge Farm Quad)	10/08/76	Dry
BOC	Fairview Drainage Ditch, 3 mi SW Georgetown, Vermilion County, Illinois, T17N, R12W, NW $\frac{1}{4}$, Sec. 11 (Ridge Farm Quad)	10/06/76	Dry
BOC	Fairview Drainage Ditch, 2.5 mi NW Georgetown, Vermilion County, Illinois, T18N, R12W, NW $\frac{1}{4}$, Sec. 25 (Ridge Farm Quad)	10/08/76	Dry
BOD	Fayette Drainage Ditch, 5 mi WNW Georgetown, Vermilion County, Illinois, T18N, R12W, NW $\frac{1}{4}$, Sec. 28 (Ridge Farm Quad)	10/08/76	Dry
BOD-10	Fayette Drainage Ditch, 4 mi SW Georgetown, Vermilion County, Illinois, T17N, R12W, SE $\frac{1}{4}$, Sec. 10 (Ridge Farm Quad)	10/06/76	Unbalanced
BOE-10	Swank Creek, in Indianola, Vermilion County, County, Illinois, T17N, R12W, NE $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 17 (Ridge Farm Quad)	10/09/76	Semi-Polluted
BOF	Dillon Branch, 2.5 mi ESE Sidell, Vermilion County, Illinois, T17N, R13W, NW $\frac{1}{4}$, Sec. 36 (Newman Quad)	10/09/76	Dry
BOH-10	Baum Branch, 1.5 mi N Sidell, Vermilion County, Illinois, T17N, R13W, SW $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 16 (Newman Quad)	10/09/76	Semi-Polluted
BOI	Freedwell Branch, 3.75 mi NW Sidell, Vermilion County, Illinois, T17N, R13W, SE $\frac{1}{4}$, Sec. 6 (Newman Quad)	10/09/76	Dry
BOZ-10	Unnamed tributary Little Vermilion River, E side Georgetown, 50 yd downstream Georgetown wastewater treatment plant outfall, Vermilion County, Illinois, T18N, R11W, NW $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 32 (Ridge Farm Quad)	10/06/76	Polluted
BOZ-11	Unnamed tributary Little Vermilion River E side Georgetown, 150 yd upstream Georgetown wastewater treatment plant outfall, Vermilion County, Illinois, T18N, R11W, NW $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 32 (Ridge Farm Quad)	10/06/76	Unbalanced
BOZ-12	Unnamed tributary Little Vermilion River, 1.5 mi NE Georgetown, Vermilion County, Illinois, T18N, R11W, SW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 28 (Ridge Farm Quad)	10/06/76	Polluted
BOZ-13	Unnamed tributary Little Vermilion River, in Vermilion Grove, 400 ft downstream Ridge Farm wastewater treatment plant outfall, Vermilion County, Illinois, T17N, R12W, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 24 (Ridge Farm Quad)	10/08/76	Polluted

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BOZ-14	Unnamed tributary Little Vermilion River, 2 mi W Olivet, Vermilion County, Illinois, T17N, R12W, NW $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 14 (Ridge Farm Quad)	10/08/76	Semi-Polluted
BP-01	Vermilion River, 3.25 mi SSE Danville, 500 ft downstream bridge, Vermilion County, Illinois, T19N, R11W, NW $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 27 (Danville SE Quad)	09/24/76	Semi-Polluted
BP-11	Vermilion River, 4.3 mi E Westville, Vermilion County, Illinois, T18N, R11W, NW $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 12 (Danville SE Quad)	10/01/76	Semi-Polluted
BP-12	Vermilion River, below confluence of Middle Fork and Salt Fork, 3.7 mi W Tilton, Vermilion County, Illinois, T19N, R12W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 16 (Danville SW Quad)	10/18/76	Unbalanced
BPE-10	Grape Creek, 2 mi E Belgium, Vermilion County, Illinois, T19N, R11W, NE $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 34 (Danville SE Quad)	09/22/76	Unbalanced
BPE-11	Grape Creek, 0.7 mi E Belgium, Vermilion County, Illinois, T19N, R11W, SW $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 32 (Danville SE Quad)	09/22/76	Semi-Polluted
BPE-12	Grape Creek, 1.8 mi NNE Belgium, Vermilion County, Illinois, T19N, R11W, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 20 (Danville SE Quad)	09/24/76	Semi-Polluted
BPE-13	Grape Creek, 0.7 mi SE Tilton, Vermilion County, Illinois, T19N, R11W, SW $\frac{1}{4}$, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 20 (Danville SW Quad)	09/22/76	Polluted
BPE-14	Grape Creek, 1.0 mi S Tilton, 100 ft upstream Lebanon Chemical Company (Agrico Chemical Company), Vermilion County, Illinois, T19N, R11W, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 30 (Danville SW Quad)	09/22/76	Polluted
BPE-15	Grape Creek, 0.8 mi W Belgium, downstream bridge, Vermilion County, Illinois, T19N, R11W, NW $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 31 (Danville SW Quad)	09/24/76	Semi-Polluted
BPEA-10	Hawbuck Creek, 2.8 mi ENE Westville, Vermilion County, Illinois, T18N, R11W, SE $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 3 (Danville SE Quad)	09/24/76	Unbalanced
BPEZ-10	Unnamed tributary Grape Creek, 0.5 mi ESE Belgium, 50 yd upstream Belgium wastewater treatment plant outfall, Vermilion County, Illinois, T19N, R11W, SW $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 32 (Danville SW Quad)	09/22/76	Semi-Polluted
BPEZ-11	Unnamed tributary Grape Creek, 0.6 mi SSW Tilton, Vermilion County, Illinois, T19N, R11W, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 19 (Danville SW Quad)	09/22/76	Unbalanced
BPF-10	Stony Creek, just above confluence with Vermilion River, 3.3 mi ESE Tilton, Vermilion County, Illinois, T19N, R11W, NE $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 27 (Danville SE Quad)	09/23/76	Unbalanced
BPF-11	Stony Creek, 1.5 mi ESE Danville, Vermilion County, Illinois, T19N, R11W, SW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 15 (Danville SE Quad)	09/23/76	Semi-Polluted

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
BPF-12	Stony Creek, 1.6 mi NNE Danville, Vermilion County, Illinois, T20N, R11W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 33 (Danville NE Quad)	10/04/76	Unbalanced
BPF-13	Stony Creek, 3.2 mi W Illiana, Vermilion County, Illinois, T20N, R11W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 15 (Danville NE Quad)	10/04/76	Semi-Polluted
BPF-14	Stony Creek, 1.9 mi NNW Illiana, Vermilion County, Illinois, T20N, R10W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 6 (Danville NE Quad)	10/04/76	Unbalanced
BPF-15	Stony Creek, 2.9 mi ESE Bismarck, Vermilion County, Illinois, T21N, R11W, SW $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 26 (Bismarck Quad)	10/08/76	Semi-Polluted
BPFA	Lick Creek, 3.5 mi NE Danville, Vermilion County, Illinois, T20N, R11W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 27 (Danville NE Quad)	09/24/76	Dry
BPFAZ	Unnamed tributary Lick Creek, 3.2 mi ESE Danville, Vermilion County, Illinois, T19N, R11W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 14 (Danville SE Quad)	09/23/76	Dry
BPFAZ	Unnamed tributary Lick Creek, 3.2 mi ENE Danville, Vermilion County, Illinois, T19N, R11W, SE $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 2 (Danville NE Quad)	09/24/76	Dry
BPFAZ	Unnamed tributary Lick Creek, 5.2 mi ENE Danville, Vermilion County, Illinois, T20N, R10W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 31 (Danville NE Quad)	09/24/76	Dry
BPFAZ	Unnamed tributary Lick Creek, 4.5 mi NE Danville, Vermilion County, Illinois, T20N, R11W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 36 (Danville NE Quad)	09/24/76	Dry
BPFB	Koehn Creek, NE Danville, Vermilion County, Illinois, T20N, R11W, SW $\frac{1}{4}$, Sec. 34 (Danville NE Quad)	09/24/76	Dry
BPFB	Koehn Creek, NE Danville, Vermilion County, Illinois, T19N, R11W, SE $\frac{1}{4}$, Sec. 4 (Danville NE Quad)	09/08/76	Dry
BPFB-10	Koehn Creek, 2.2 mi ENE Danville, 200 yd downstream General Electric-Danville discharge, Vermilion County, Illinois, T19N, R11W, NW $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 3 (Danville NE Quad)	09/24/76	Semi-Polluted
BPFB-11	Koehn Creek, 2.3 mi NE Danville, 500 yd downstream Bohn Aluminum and Brass Corp. discharge, Vermilion County Illinois, T19N, R11W, SW $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 3 (Danville NE Quad)	09/24/76	Semi-Polluted
BPFZ	Unnamed tributary Stony Creek, 3.7 mi SE Danville, Vermilion County, Illinois, T19N, R11W, NE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 23 (Danville SE Quad)	09/23/76	Dry
BPFZ	Unnamed tributary Stony Creek, 3.4 mi ESE Danville, Vermilion County, Illinois, T19N, R11W, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 23 (Danville SE Quad)	09/23/76	Dry

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
BPFZ	Unnamed tributary Stony Creek, 4.7 mi NNE Danville, Vermilion County, Illinois, T20N, R11W, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 22 (Danville NE Quad)	10/04/76	Dry
BPFZ	Unnamed tributary Stony Creek, 4.1 mi N Illiana, Vermilion County, Illinois, T21N, R11W, SE $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 36 (Danville NE Quad)	10/08/76	Dry
BPG-06	North Fork Vermilion River, 0.8 mi SW Alvin, Vermilion County, Illinois, T21N, R11W, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 5 (Bismarck Quad)	10/08/76	Unbalanced
BPG-07	North Fork Vermilion River, 2 mi NNW Rossville, Vermilion County, Illinois, T23N, R12W, NE $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 35 (Hoopston Quad)	10/03/76	Unbalanced
BPG-17	North Fork Vermilion River, 6.3 mi N Danville, Vermilion County, Illinois, T20N, R11W, SW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 8 (Danville NW Quad)	09/29/76	Unbalanced
BPG-18	North Fork Vermilion River, 1.5 mi SW Bismarck, Vermilion County, Illinois, T21N, R11W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 30 (Danville NW Quad)	09/29/76	Unbalanced
BPG-19	North Fork Vermilion River, 4 mi SE Henning, Vermilion County, Illinois, T21N, R11W, NW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 19 (Henning Quad)	09/29/76	Balanced
BPG-20	North Fork Vermilion River, 2.8 mi NE Henning, Vermilion County, Illinois, T22N, R12W, NE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 25 (Henning Quad)	09/29/76	Unbalanced
BPG-21	North Fork Vermilion River, 1.7 mi SSW Rossville, 50 yd downstream bridge, Vermilion County, Illinois, T22N, R12W, NE $\frac{1}{4}$, Sec. 22 (Henning Quad)	09/28/76	Unbalanced
BPG-22	North Fork Vermilion River, 1.6 mi S Hoopeston, downstream bridge, Vermilion County, Illinois, T23N, R12W, NW $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 24 (Hoopeston Quad)	10/03/76	Unbalanced
BPG-23	North Fork Vermilion River, 0.35 mi N Cheneyville, Vermilion County, Illinois, T23N, R11W, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 10 (Ambia Quad)	10/10/76	Unbalanced
BPGB-10	Painter Creek, 1.2 mi NW Bismarck, Vermilion County, Illinois, T21N, R11W, SW $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 17 (Bismarck Quad)	10/08/76	Unbalanced
BPGC-10	Middle Branch, North Fork Vermilion River, 3.6 mi E Rossville, Vermilion County, Illinois, T22N, R11W, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 9 (Bismarck Quad)	10/10/76	Unbalanced
BPGC-11	Middle Branch, North Fork Vermilion River, 5.2 mi ENE Rossville, downstream bridge, Vermilion County, Illinois, T22N, R11W, NW $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 3 (Ambia Quad)	10/10/76	Unbalanced
BPGCA-10	Jordan Creek, 3.3 mi N Alvin, downstream bridge, Vermilion County, Illinois, T22N, R11W, NW $\frac{1}{4}$, Sec. 21 (Bismarck Quad)	10/10/76	Semi-Polluted

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
BPGCA-11	Jordan Creek, 4.2 mi NE Alvin, Vermilion County, Illinois, T22N, R11W, SW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 24 (Bismarck Quad)	10/08/76	Unbalanced
BPGCAZ-10	Unnamed tributary Jordan Creek, 2.5 mi N Alvin, Vermilion County, Illinois, T22N, R11W, NE $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 28 (Bismarck Quad)	10/10/76	Semi-Polluted
BPGCZ-10	Unnamed tributary Middle Branch North Fork Vermilion River, 2.3 mi E Rossville, Vermilion County, Illinois, T22N, R11W, SE $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 8 (Ambia Quad)	10/10/76	Semi-Polluted
BPGCZ-11	Unnamed tributary Middle Branch North Fork Vermilion River, 4.9 mi ENE Rossville, downstream bridge, Vermilion County, Illinois, T22N, R11W, NW $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 3 (Ambia Quad)	10/10/76	Semi-Polluted
BPGD-10	Hoopeston Branch, 1.5 mi S Hoopeston, 0.25 mi downstream Hoopeston wastewater treatment plant outfall, Vermilion County, Illinois, T23N, R12W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 14 (Hoopeston Quad)	10/03/76	Polluted
BPGD-11	Hoopeston Branch, 1.3 mi SW Hoopeston, 250 ft upstream Hoopeston wastewater treatment plant outfall, Vermilion County, Illinois, T23N, R12W, NE $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 14 (Hoopeston Quad)	09/30/76	Semi-Polluted
BPGD-12	Hoopeston Branch, 1.4 mi W Hoopeston, Vermilion County, Illinois, T23N, R12W, SE $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 10 (Hoopeston Quad)	09/30/76	Semi-Polluted
BPGZ	Unnamed tributary North Fork Vermilion River, 2.9 mi SE Henning, Vermilion County, Illinois, T21N, R12W, NW $\frac{1}{4}$, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 13 (Henning Quad)	09/29/76	Dry
BPGZ	Unnamed tributary North Fork Vermilion River, 3.9 mi WSW Rossville, Vermilion County, Illinois, T22N, R12W, NW $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 17 (Henning Quad)	09/29/76	Dry
BPGZ	Unnamed tributary North Fork Vermilion River, 3.8 mi SSW Hoopeston at US 136 & IL 1, Vermilion County, Illinois, T23N, R12W, SE $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 35 (Hoopeston Quad)	10/03/76	Dry
BPGZ	Unnamed tributary North Fork Vermilion River, 2.9 mi SSW Hoopeston, Vermilion County, Illinois, T23N, R12W, SW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 26 (Hoopeston Quad)	09/30/76	Dry
BPGZ	Unnamed tributary North Fork Vermilion River, 3.5 mi SW Hoopeston, Vermilion County, Illinois, T23N, R12W, SW $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 28 (Hoopeston Quad)	09/30/76	Dry
BPGZ	Unnamed tributary North Fork Vermilion River, 3.0 mi SW Hoopeston, Vermilion County, Illinois, T23N, R12W, SW $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 21 (Hoopeston Quad)	09/30/76	Dry
BPGZ	Unnamed tributary North Fork Vermilion River, 0.9 mi NW Cheneyville, Vermilion County, Illinois, T23N, R11W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 4 (Ambia Quad)	10/10/76	Dry

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
BPGZ	Unnamed tributary North Fork Vermilion River, 2.0 mi SSW Bismarck, Vermilion County, Illinois, T21N, R11W, NW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 32 (Danville NE Quad)	10/04/76	Dry
BPGZ	Unnamed tributary North Fork Vermilion River, 2.7 mi ESE Henning, Vermilion County, Illinois, T21N, R12W, SW $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 12 (Henning Quad)	09/29/76	Dry
BPGZ	Unnamed tributary North Fork Vermilion River, 1.8 mi SSW Bismarck, Vermilion County, Illinois, T21N, R11W, SW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 32 (Danville NE Quad)	10/04/76	Dry
BPGZ-10	Unnamed tributary North Fork Vermilion River, 2.0 mi ENE Bismarck, downstream bridge, Vermilion County, Illinois, T21N, R12W, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 13 (Henning Quad)	09/29/76	Semi-Polluted
BPGZ-11	Unnamed tributary North Fork Vermilion River, 2.8 mi N Henning, Vermilion County, Illinois, T22N, R12W, NE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 21 (Henning Quad)	09/28/76	Unbalanced
BPI-10	Butler Branch, 0.2 mi E Catlin, Vermilion County, Illinois, T19N, R12W, NW $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 34 (Danville SW Quad)	09/21/76	Semi-Polluted
BPI-11	Butler Branch, 1.2 mi NW Catlin, Vermilion County, Illinois, T19N, R12W, NW $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 27 (Danville SW Quad)	09/21/76	Semi-Polluted
BPI-12	Butler Branch, 2.5 mi N Catlin, Vermilion County, Illinois, T19N, R12W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 16 (Danville SW Quad)	09/22/76	Semi-Polluted
BPIZ	Unnamed tributary Butler Branch, 1.1 mi WNW Catlin, Vermilion County, Illinois, T19N, R12W, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 33 (Danville SW Quad)	09/21/76	Dry
BPIZ-10	Unnamed tributary Butler Branch, 0.3 mi E Catlin, Vermilion County, Illinois, T19N, R12W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 34 (Danville SW Quad)	09/21/76	Semi-Polluted
BPIZ-11	Unnamed tributary Butler Branch, 0.7 mi NW Catlin, 600 ft downstream Catlin wastewater treatment plant outfall, Vermilion County, Illinois, T19N, R12W, SW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 34 (Danville SW Quad)	09/21/76	Polluted
BPIZ-12	Unnamed tributary Butler Branch, 0.7 mi W Catlin, downstream bridge, Vermilion County, Illinois, T19N, R12W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 33 (Danville SW Quad)	09/21/76	Semi-Polluted
BPJ-03	Salt Fork Vermilion River, 2.4 mi S Oakwood, downstream bridge, Vermilion County, Illinois, T19N, R13W, NW $\frac{1}{4}$, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 25 (Fithian Quad)	10/18/76	Unbalanced
BPJ-04	Salt Fork Vermilion River, 0.5 mi W St. Joseph, Champaign County, Illinois, T19N, R10E, SW $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 15 (Urbana Quad)	10/16/76	Semi-Polluted
BPJ-05	Salt Fork Vermilion River, 1.1 mi N Sidney, Champaign County, Illinois, T18N, R10E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 4 (Urbana Quad)	10/16/76	Semi-Polluted

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
BPJ-06	Salt Fork Vermilion River, 0.8 mi NW St. Joseph, Champaign County, Illinois, T19N, R10E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 10 (Urbana Quad)	10/16/76	Semi-Polluted
BPJ-16	Salt Fork Vermilion River, 2.8 mi NNW Catlin, Vermilion County, Illinois, T19N, R12W, NW $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 16 (Danville SW Quad)	10/01/76	Unbalanced
BPJ-17	Salt Fork Vermilion River, 2.7 mi E Oakwood, Vermilion County, Illinois, T19N, R12W, NW $\frac{1}{4}$, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 16 (Danville SW Quad)	10/17/76	Unbalanced
BPJ-18	Salt Fork Vermilion River, 2.3 mi SSW Oakwood, 600 yd downstream Oakwood wastewater treatment plant outfall, Vermilion County, Illinois, T19N, R13W, SE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 26 (Fithian Quad)	10/18/76	Balanced
BPJ-19	Salt Fork Vermilion River, 2.3 mi SSW Oakwood, 600 yd upstream Oakwood wastewater treatment plant outfall, Vermilion County, Illinois, T19N, R13W, SW $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 26 (Fithian Quad)	10/18/76	Balanced
BPJ-20	Salt Fork Vermilion River, 2.2 mi SE Muncie, downstream bridge, downstream confluence with Stony Creek, Vermilion County, Illinois, T19N, R13W, SW $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 22 (Fithian Quad)	11/06/76	Unbalanced
BPJ-21	Salt Fork Vermilion River, 2.2 mi NW Fairmount, Vermilion County, Illinois, T19N, R13W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 31 (Fithian Quad)	11/06/76	Unbalanced
BPJ-22	Salt Fork Vermilion River, 3.6 mi SW Fithian, Vermilion County, Illinois, T19N, R14W, SW $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 26 (Homer Quad)	10/18/76	Balanced
BPJ-23	Salt Fork Vermilion River, 1.4 mi N Homer, downstream bridge, Champaign County, Illinois, T19N, R14W, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 33 (Fithian Quad)	10/18/76	Unbalanced
BPJ-24	Salt Fork Vermilion River, 3 mi NE Sidney, Champaign County, Illinois, T18N, R10E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 2 (Urbana Quad)	11/01/76	Semi-Polluted
BPJ-25	Salt Fork Vermilion River, 3.3 mi N Sidney, Champaign County, Illinois, T19N, R10E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 27 (Urbana Quad)	11/01/76	Semi-Polluted
BPJ-26	Salt Fork Vermilion River, 1.5 mi S St. Joseph, 880 yd downstream St. Joseph wastewater treatment plant outfall, Champaign County, Illinois, T19N, R10E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 22 (Urbana Quad)	10/16/76	Semi-Polluted
BPJ-27	Salt Fork Vermilion River, 2.5 mi N St. Joseph, Champaign County, Illinois, T20N, R10E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 35 (Urbana Quad)	10/30/76	Semi-Polluted
BPJA	Jordan Creek, 0.3 mi NW Jamaica, Vermilion County, Illinois, T18N, R13W, NW $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 27 (Newman Quad)	10/18/76	Dry

STATION NUMBER		SAMPLING DATE	STREAM CLASSIFICATION
BPJA-10	Jordan Creek, 4 mi SW Oakwood, Vermilion County, Illinois, T19N, R13W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 27 (Fithian Quad)	11/06/76	Balanced
BPJA-11	Jordan Creek, 0.8 mi NNW Fairmount, Vermilion County, Illinois, T19N, R13W, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 33 (Fithian Quad)	10/18/76	Balanced
BPJA-12	Jordan Creek, 1.4 mi S Fairmount, downstream bridge, Vermilion County, Illinois, T18N, R13W, NE $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 16 (Fithian Quad)	10/17/76	Balanced
BPJB-10	Stony Creek, 1.5 mi SE Muncie, Vermilion County, Illinois, T19N, R13W, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 21 (Fithian Quad)	11/06/76	Unbalanced
BPJB-11	Stony Creek, 2.7 mi N Fithian, Vermilion County, Illinois, T20N, R13W, NW $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 31 (Fithian Quad)	10/17/76	Semi-Polluted
BPJB-12	Stony Creek, 3 mi N Fithian, Vermilion County, Illinois, T20N, R14W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 25 (Fithian Quad)	10/17/76	Unbalanced
BPJBA	Feather Creek, 3.5 mi N Muncie, Vermilion County, Illinois, T20N, R13W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 28 (Fithian Quad)	11/06/76	Dry
BPJBA-10	Feather Creek, 0.9 mi N Muncie, downstream bridge, Vermilion County, Illinois, T19N, R13W, NE $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 9 (Fithian Quad)	10/17/76	Semi-Polluted
BPJBAZ	Unnamed tributary Feather Creek, 3.8 mi NNE Muncie, Vermilion County, Illinois, T20N, R13W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 27 (Fithian Quad)	11/06/76	Dry
BPJBZ-10	Unnamed tributary Stony Creek, 1 mi NE Fithian, Vermilion County, Illinois, T19N, R13W, SW $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 8 (Fithian Quad)	10/17/76	Semi-Polluted
BPJBZ-11	Unnamed tributary Stony Creek, 4.6 mi NNW Fithian, Vermilion County, Illinois, T20N, R14W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 23 (Fithian Quad)	11/06/76	Semi-Polluted
BPJBZ-12	Unnamed tributary Stony Creek, 0.75 mi S Hope, Vermilion County, Illinois, T20N, R14W, SW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 13 (Fithian Quad)	11/06/76	Semi-Polluted
BPJBZ-13	Unnamed tributary Stony Creek, 2.3 mi SSE Hope, Vermilion County, Illinois, T20N, R14W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 24 (Fithian Quad)	11/06/76	Semi-Polluted
BPJC	Saline Branch Drainage Ditch, 1.5 mi NE Thomasboro, Champaign County, Illinois, T21N, R9E, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 22 (Paxton Quad)	10/27/76	Dry
BPJC-01	Saline Branch Drainage Ditch, 1.8 mi NE Urbana, Champaign County, Illinois, T19N, R9E, NW $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 10 (Urbana Quad)	10/17/76	Semi-Polluted
BPJC-03	Saline Branch Drainage Ditch, 1.5 mi WNW St. Joseph, Champaign County, Illinois, T19N, R10E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 9 (Urbana Quad)	10/16/76	Semi-Polluted

STATION NUMBER	LOCATION	SAMPLING DATE	STRFAM CLASSIFICATION
BPJC-04	Saline Branch Drainage Ditch, 0.8 mi NE Urbana, upstream Urbana wastewater treatment plant outfall, Champaign County, Illinois, T19N, R9E, NW $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 9 (Urbana Quad)	10/14/76	Unbalanced
BPJC-14	Saline Branch Drainage Ditch, 0.9 mi NE Urbana, 200 yd downstream Urbana wastewater treatment plant outfall, Champaign County, Illinois, T19N, R9E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 9 (Urbana Quad)	10/14/76	Polluted
BPJC-15	Saline Branch Drainage Ditch, 1.1 mi N Urbana, Champaign County, Illinois, T19N, R9E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 5 (Urbana Quad)	10/15/76	Semi-Polluted
BPJC-16	Saline Branch Drainage Ditch, 4.9 mi N Urbana, Champaign County, Illinois, T20N, R9E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 21 (Urbana Quad)	10/13/76	Semi-Polluted
BPJC-17	Saline Branch Drainage Ditch, 2.3 mi S Thomasboro, downstream bridge, Champaign County, Illinois, T20N, R9E, NE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 9 (Urbana Quad)	10/13/76	Semi-Polluted
BPJC-18	Saline Branch Drainage Ditch, 2.1 mi SSE Thomasboro, Champaign County, Illinois, T20N, R9E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 3 (Urbana Quad)	10/13/76	Semi-Polluted
BPJCA-10	Boneyard Creek, 1 mi WSW Urbana, Champaign County, Illinois, T19N, R9E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 18 (Urbana Quad)	10/15/76	Semi-Polluted
BPJCA-11	Boneyard Creek, 1.4 mi NNE Champaign, below Illinois Central Gulf RR discharge, Champaign County, Illinois, T19N, R9E, NE $\frac{1}{4}$, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 6 (Urbana Quad)	10/14/76	Semi-Polluted
BPJCA-12	Headwaters Boneyard Creek, 1.6 mi N Champaign, Champaign County, Illinois, T19N, R9E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 6 (Urbana Quad)	10/14/76	Polluted
BPJCZ	Unnamed tributary Saline Branch Drainage Ditch, 2.1 mi SSW Thomasboro, Champaign County, Illinois, T20N, R9E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 5 (Urbana Quad)	10/27/76	Dry
BPJCZ-10	Unnamed tributary Saline Branch Drainage Ditch, 2.4 mi NNW Urbana, 100 ft downstream National Protein Company discharge, Champaign County, Illinois, T20N, R9E, NW $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 31 (Urbana Quad)	10/15/76	Polluted
BPJCZ-11	Unnamed tributary Saline Branch Drainage Ditch, 3 mi SSW Thomasboro, Champaign County, Illinois, T20N, R9E, NE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 8 (Urbana Quad)	10/13/76	Semi-Polluted
BPJCZ-12	Unnamed tributary Saline Branch Drainage Ditch, 4.9 mi N Champaign, Champaign County, Illinois, T20N, R8E, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 13 (Mahomet Quad)	10/15/76	Semi-Polluted
BPJD-10	Spoon River, 3.6 mi NNE St. Joseph, Champaign County, Illinois, T20N, R10E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 25 (Urbana Quad)	10/30/76	Balanced
BPJD-11	Spoon River, 2.1 mi ESE Flatville, Champaign County, Illinois, T21N, R10E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 35 (Urbana Quad)	10/29/76	Unbalanced

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
BPJD-12	Spoon River, 2.9 mi S Gifford, Champaign County, Illinois, T21N, R10E, NW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 24 (Paxton Quad)	10/29/76	Semi-Polluted
BPJDZ-10	Unnamed tributary Spoon River, 2 mi WSW Royal, Champaign County, Illinois, T20N, R11E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 19 (Urbana Quad)	10/29/76	Unbalanced
BPJDZ-11	Unnamed tributary Spoon River, 5.1 mi N St. Joseph, Champaign County, Illinois, T20N, R10E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 13 (Urbana Quad)	10/29/76	Semi-Polluted
BPJDZ-12	Unnamed tributary Spoon River, 1.2 mi S Gifford, Champaign County, Illinois, T21N, R10E, NE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 11 (Paxton Quad)	10/29/76	Semi-Polluted
BPJE-10	Upper Salt Fork Drainage Ditch, 4.5 mi N St. Joseph, Champaign County, Illinois, T20N, R10E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 22 (Urbana Quad)	10/29/76	Unbalanced
BPJE-11	Upper Salt Fork Drainage Ditch, 1.9 mi S Flatville, Champaign County, Illinois, T20N, R10E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 9 (Urbana Quad)	10/20/76	Semi-Polluted
BPJE-12	Upper Salt Fork Drainage Ditch, 1.4 mi W Flatville, downstream bridge, Champaign County, Illinois, T21N, R10E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 32 (Urbana Quad)	10/29/76	Semi-Polluted
BPJE-13	Upper Salt Fork Drainage Ditch, 4.2 mi SE Rantoul, downstream bridge, Champaign County, Illinois, T21N, R10E, NW $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 19 (Paxton Quad)	10/29/76	Semi-Polluted
BPJE-14	Upper Salt Fork Drainage Ditch, 3.8 mi ESE Rantoul, downstream bridge, Champaign County, Illinois, T21N, R10E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 8 (Paxton Quad)	10/28/76	Semi-Polluted
BPJE-15	Upper Salt Fork Drainage Ditch, 1.9 mi E Rantoul, 200 yd downstream Rantoul wastewater treatment plant outfall, Champaign County, Illinois, T22N, R9E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 36 (Paxton Quad)	10/28/76	Semi-Polluted
BPJE-16	Upper Salt Fork Drainage Ditch, 1.8 mi ENE Rantoul, 100 yd upstream Rantoul wastewater treatment plant outfall, Champaign County, Illinois, T22N, R9E, NE $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 36 (Paxton Quad)	10/28/76	Semi-Polluted
BPJE-17	Upper Salt Fork Drainage Ditch, 2 mi S Ludlow, Champaign County, Illinois, T22N, R9E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 13 (Paxton Quad)	10/28/76	Semi-Polluted
BPJEA-10	Flatville Drainage Ditch, 1.3 mi SSW Flatville, Champaign County, Illinois, T20N, R10E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 4 (Urbana Quad)	10/20/76	Semi-Polluted
BPJEZ-10	Unnamed tributary Upper Salt Fork Drainage Ditch, 3.1 mi S Flatville, Champaign County, Illinois, T20N, R10E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 16 (Urbana Quad)	10/20/76	Unbalanced
BPJEZ-11	Unnamed tributary Upper Salt Fork Drainage Ditch, 4.8 mi SW Flatville, downstream bridge, Champaign County, Illinois, T20N, R10E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 18 (Urbana Quad)	10/20/76	Semi-Polluted

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
BPJEZ-12	Unnamed tributary Upper Salt Fork Drainage Ditch, 4 mi SE Rantoul, Champaign County, Illinois, T21N, R10E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 18 (Paxton Quad)	10/29/76	Polluted
BPJEZ-13	Unnamed tributary Upper Salt Fork Drainage Ditch, 2.7 mi SE Rantoul, 100 yd downstream Chanute Test Cell DOM, Champaign County, Illinois, T21N, R9E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 12 (Paxton Quad)	10/27/76	Polluted
BPJEZ-14	Unnamed tributary Upper Salt Fork Drainage Ditch, 1.9 mi SE Rantoul, 200 yd downstream Chanute wastewater treatment plant outfall, Champaign County, Illinois, T21N, R10E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 12 (Paxton Quad)	10/27/76	Polluted
BPJEZ-15	Unnamed tributary Upper Salt Fork Drainage Ditch, 1.8 mi SE Rantoul, 200 ft upstream Chanute South wastewater treatment plant outfall, Champaign County, Illinois, T21N, R9E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 11 (Paxton Quad)	10/27/76	Polluted
BPJF	Olive Branch, 5.2 mi WSW Fairmount, Vermilion County, Illinois, T18N, R14W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 15 (Fithian Quad)	10/27/76	Dry
BPJG	East Fork Salt Fork Vermilion River, 2.4 mi WNW Gifford, Champaign County, Illinois, T22N, R10E, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 33 (Paxton Quad)	10/28/76	Dry
BPJZ	Unnamed tributary Salt Fork Vermilion River, 1.2 mi NW Sidney, Champaign County, Illinois, T18N, R10E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 8 (Urbana Quad)	11/01/76	Dry
BPJZ	Unnamed tributary Salt Fork Vermilion River, 2.6 mi S Oakwood, Vermilion County, Illinois, T19N, R13W, NE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 25 (Fithian Quad)	10/18/76	Dry
BPJZ	Unnamed tributary Salt Fork Vermilion River, 3.7 mi ENE Sidney, Champaign County, Illinois, T18N, R10E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 1 (Urbana Quad)	11/07/76	Dry
BPJZ-10	Unnamed tributary Salt Fork Vermilion River, 2.6 mi NNW Catlin, Vermilion County, Illinois, T19N, R12W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 16 (Danville SW Quad)	09/22/76	Semi-Polluted
BPJZ-11	Unnamed tributary Salt Fork Vermilion River, 0.75 mi ESE Homer, Champaign County, Illinois, T18N, R14W, NE $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 9 (Fithian Quad)	11/07/76	Semi-Polluted
BPJZ-12	Unnamed tributary Salt Fork Vermilion River, 1.75 mi NW Homer, Champaign County, Illinois, T18N, R14W, NW $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 6 (Fithian Quad)	11/07/76	Semi-Polluted
BPJZ-13	Unnamed tributary Salt Fork Vermilion River, 0.1 mi N Sidney, downstream bridge, Champaign County, Illinois, T18N, R10E, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 9 (Urbana Quad)	11/01/76	Unbalanced
BPJZ-14	Unnamed tributary Salt Fork Vermilion River, 1.75 mi NNW Sidney, downstream bridge, Champaign County, Illinois, T18N, R10E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 4 (Urbana Quad)	10/16/76	Semi-Polluted
BPJZ-15	Unnamed tributary Salt Fork Vermilion River, 3.5 mi SW St. Joseph, Champaign County, Illinois, T19N, R10E, SE $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 29 (Urbana Quad)	10/16/76	Semi-Polluted

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
BPJZ-16	Unnamed tributary Salt Fork Vermilion River, 2.6 mi N St. Joseph, Champaign County, Illinois, T20N, R10E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 34 (Urbana Quad)	10/30/76	Semi-Polluted
BPK-04	Middle Fork Vermilion River, 2.8 mi E Oakwood, downstream bridge, Vermilion County, Illinois, T19N, R12W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 9 (Danville SW Quad)	09/23/76	Unbalanced
BPK-05	Middle Fork Vermilion River, 2.6 mi WNW Armstrong, Vermilion County, Illinois, T22N, R14W, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 34 (Potomac Quad)	09/17/76	Unbalanced
BPK-06	Middle Fork Vermilion River, 3.1 mi SSW Paxton, downstream bridge, Ford County, Illinois, T23N, R10E, NE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 30 (Paxton Quad)	09/17/76	Semi-Polluted
BPK-16	Middle Fork Vermilion River, 1.5 mi ESE Newtown, 440 yd downstream Illinois Power Company discharge, Vermilion County, Illinois, T20N, R12W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 29 (Danville NW Quad)	09/23/76	Unbalanced
BPK-17	Middle Fork Vermilion River, 3.0 mi NE Newtown, Vermilion County, Illinois, T20N, R12W, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 16 (Danville NW Quad)	09/23/76	Unbalanced
BPK-18	Middle Fork Vermilion River, 1.9 mi ENE Collison, downstream bridge, Vermilion County, Illinois, T21N, R13W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 36 (Fithian Quad)	09/22/76	Semi-Polluted
BPK-19	Middle Fork Vermilion River, 0.4 mi S Potomac, downstream bridge, Vermilion County, Illinois, T21N, R13W, NW $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 10 (Potomac Quad)	09/22/76	Unbalanced
BPK-20	Middle Fork Vermilion River, 0.5 mi S Armstrong, Vermilion County, Illinois, T21N, R14W, NE $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 12 (Potomac Quad)	09/20/76	Unbalanced
BPK-21	Middle Fork Vermilion River, 3.8 mi N Penfield, downstream bridge, Champaign County, Illinois, T22N, R14W, NE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 17 (Potomac Quad)	09/17/76	Unbalanced
BPK-22	Middle Fork Vermilion River, 6.6 mi N Gifford, downstream bridge, Champaign County, Illinois, T22N, R10E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 1 (Paxton Quad)	09/17/76	Unbalanced
BPK-23	Middle Fork Vermilion River, 3.5 mi SSE Paxton, 0.75 mi downstream Paxton wastewater treatment plant outfall, downstream bridge, Ford County, Illinois, T23N, R10E, SW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 33 (Paxton Quad)	09/17/76	Unbalanced
BPK-24	Middle Fork Vermilion River, 3.3 mi WSW Paxton, downstream bridge, Ford County, Illinois, T23N, R9E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 14 (Paxton Quad)	09/15/76	Semi-Polluted
BPKA	Glenburn Creek, 2.1 mi NE Oakwood, Vermilion County, Illinois, T19N, R12W, NE $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 5 (Danville NW Quad)	09/23/76	Dry

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BPKB-10	Windfall Creek, 3.1 mi NE Newton , downstream bridge, Vermilion County, Illinois, T20N, R12W, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 16 (Danville NW Quad)	09/22/76	Unbalanced
BPKD-10	Gimlet Creek, 2.9 mi N Newtown, Vermilion County, Illinois, T20N, R13W, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 12 (Fithian Quad)	09/22/76	Semi-Polluted
BPKF	Collison Creek, 1.8 mi ENE Collison, Vermilion County, Illinois, T21N, R13W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 36 (Fithian Quad)	09/22/76	Dry
BPKF	Knights Branch, 3.0 mi NW Collison, Vermilion County, Illinois, T21N, R13W, NE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 30 (Fithian Quad)	09/20/76	Dry
BPKF-10	Knights Branch, 2.1 mi S Potomac, downstream bridge, Vermilion County, Illinois, T21N, R13W, SW $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 15 (Potomac Quad)	09/22/76	Unbalanced
BPKG-10	Bean Creek, 1 mi ESE Potomac, Vermilion County, Illinois, T21N, R13W, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 2 (Potomac Quad)	09/20/76	Unbalanced
BPKI-10	Bluegrass Creek, 0.25 mi ESE Potomac, downstream bridge, Vermilion County, Illinois, T21N, R13W, SW $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 2 (Potomac Quad)	09/20/76	Balanced
BPKI-11	Bluegrass Creek, 1.2 mi N Potomac, downstream bridge, Vermilion County, Illinois, T22N, R13W, SW $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 34 (Potomac Quad)	09/20/76	Unbalanced
BPKI-12	Bluegrass Creek, 4.3 mi NW Potomac, downstream bridge, Vermilion County, Illinois, T22N, R13W, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 20 (Potomac Quad)	09/20/76	Semi-Polluted
BPKJ	Buck Creek, 0.4 mi SSE Penfield, Champaign County, Illinois, T21N, R14W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 4 (Potomac Quad)	09/17/76	Dry
BPKK	Sugar Creek, 1.5 mi SSW Clarence, Ford County, Illinois, T23N, R14W, NE $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 19 (Potomac Quad)	09/17/76	Dry
BPKK	Sugar Creek, 4.8 mi SSE Clarence, Ford County, Illinois, R23N, R14W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 33 (Potomac Quad)	09/17/76	Dry
BPKK	Sugar Creek, 5.2 mi N Penfield, Champaign County, Illinois, T22N, R14W, NW $\frac{1}{4}$, Sec. 9 (Potomac Quad)	09/17/76	Dry
BPKL	Prairie Creek, 5.6 mi SE Paxton, Ford County, Illinois, T23N, R10E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 35 (Paxton Quad)	09/17/76	Dry
BPKM-10	East Branch Middle Fork Vermilion River, 3.6 mi W Paxton, downstream bridge, Ford County, Illinois, T23N, R9E, SE $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 15 (Paxton Quad)	09/16/76	Semi-Polluted
BPKM-11	East Branch Middle Fork Vermilion River, 6 mi NW Paxton, Ford County, Illinois, T24N, R9E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 21 (Buckley Quad)	09/16/76	Unbalanced
BPKM-12	East Branch Middle Fork Vermilion River, 2.4 mi E Melvin, Ford County, Illinois, T25N, R9E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 32 (Buckley Quad)	09/16/76	Unbalanced

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
BPKM-13	East Branch Middle Fork Vermilion River, 2.6 mi NW Roberts, Ford County, Illinois, T25N, R9E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 7 (Buckley Quad)	09/16/76	Unbalanced
BPKMZ-10	Unnamed tributary East Branch Middle Fork Vermilion River, 3.6 mi NW Paxton, Ford County, Illinois, T24N, R9E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 35 (Paxton Quad)	09/16/76	Semi-Polluted
BPKMZ-11	Unnamed tributary East Branch Middle Fork Vermilion River, 1.0 mi N Paxton, Ford County, Illinois, T23N, R10E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 5 (Paxton Quad)	09/16/76	Semi-Polluted
BPKN-10	West Branch Middle Fork Vermilion River, 2.8 mi NNE Elliott, downstream bridge Ford County, Illinois, T24N, R8E, NW $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 36 (Buckley Quad)	09/15/76	Semi-Polluted
BPKN-11	West Branch Middle Fork Vermilion River, 1.7 mi W Melvin, downstream bridge, Ford County, Illinois, T24N, R8E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 3 (Strawn Quad)	09/15/76	Unbalanced
BPKN-12	West Branch Middle Fork Vermilion River, 3.2 mi NW Melvin, Ford County, Illinois, T25N, R8E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 22 (Strawn Quad)	09/15/76	Unbalanced
BPKNZ	Unnamed tributary West Branch Vermilion River, 4.4 mi ESE Elliott, Ford County, Illinois, T23N, R9E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 17 (Paxton Quad)	09/15/76	Dry
BPKNZ	Unnamed tributary West Branch Vermilion River, 2.9 mi E Elliott, 20 ft downstream bridge, Ford County, Illinois, T23N, R9E, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 6 (Paxton Quad)	09/15/76	Dry
BPKNZ	Unnamed tributary West Branch Vermilion River, 2.5 mi N Elliott, Ford County, Illinois, T24N, R8E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 26 (Sibley Quad)	09/15/76	Dry
BPKNZ	Unnamed tributary West Branch Vermilion River, 1.9 mi ENE Guthrie, Ford County, Illinois, T24N, R8E, NE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 21 (Sibley Quad)	09/15/76	Dry
BPKNZ	Unnamed tributary West Branch Vermilion River, 2.8 mi SW Melvin, Ford County, Illinois, T24N, R8E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 16 (Sibley Quad)	09/15/76	Dry
BPKNZ	Unnamed tributary West Branch Vermilion River, 2.4 mi WNW Melvin, Ford County, Illinois, T25N, R8E, SW $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 34 (Sibley Quad)	09/15/76	Dry
BPKNZ-10	Unnamed tributary West Branch Middle Fork Vermilion River, downstream bridge, 2.3 mi W Melvin, Ford County, Illinois, T24N, R8E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 3 (Strawn Quad)	09/15/76	Semi-Polluted
BPKNZ-11	Unnamed tributary West Branch Middle Fork Vermilion River, 2.3 mi W Melvin, downstream bridge, Ford County, Illinois, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 28 (Sibley Quad)	09/15/76	Semi-Polluted
BPKZ	Unnamed tributary Middle Fork Vermilion River, 0.75 mi N Newtown, Vermilion County, Illinois, T20N, R13W, NE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 24 (Fithian Quad)	09/23/76	Dry

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
BPKZ	Unnamed tributary Middle Fork Vermilion River, 1.1 mi NNW Newtown, 200 ft upstream Newtown School outfall, Vermilion County, Illinois, T20N, R13W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 24 (Fithian Quad)	09/23/76	Dry
BPKZ	Unnamed tributary Middle Fork Vermilion River, 0.4 mi W Potomac, downstream Vistron-Sohigro, Vermilion County, Illinois, T21N, R13W, NE $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 3 (Potomac Quad)	09/22/76	Dry
BPKZ	Unnamed tributary Middle Fork Vermilion River, 1.4 mi E Armstrong, 200 yd upstream Wescove Christian High School outfall, Vermilion County, Illinois, T21N, R13W, SW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 5 (Potomac Quad)	09/20/76	Dry
BPKZ	Unnamed tributary Middle Fork Vermilion River, 1.1 mi SE Armstrong, Vermilion County, Illinois, T21N, R13W, SW $\frac{1}{4}$, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 7 (Potomac Quad)	09/20/76	Dry
BPKZ	Unnamed tributary Middle Fork Vermilion River, 1.5 mi SW Armstrong, Vermilion County, Illinois, T21N, R14W, NW $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 11 (Potomac Quad)	09/17/76	Dry
BPKZ	Unnamed tributary Middle Fork Vermilion River, 6.8 mi SE Paxton, Ford County, Illinois, T23N, R11E, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 36 (Potomac Quad)	09/17/76	Dry
BPKZ	Unnamed tributary Middle Fork Vermilion River, 4.0 mi SSE Paxton, Ford County, Illinois, T23N, R10E, SW $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 33 (Paxton Quad)	09/16/76	Dry
BPKZ	Unnamed tributary Middle Fork Vermilion River, 2.2 mi S Paxton, 200 yd upstream Paxton wastewater treatment plant outfall, Ford County, Illinois, T23N, R10E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 29 (Paxton Quad)	09/16/76	Dry
BPKZ	Unnamed tributary Middle Fork Vermilion River, 3.7 mi SW Paxton, 20 ft downstream bridge, Ford County, Illinois, T23N, R9E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 25 (Paxton Quad)	09/15/76	Dry
BPKZ	Unnamed tributary Middle Fork Vermilion River, 3.8 mi SW Paxton, 20 ft downstream bridge, Ford County, Illinois, T23N, R9E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 23 (Paxton Quad)	09/15/76	Dry
BPKZ-10	Unnamed tributary Middle Fork Vermilion River, 0.3 mi SE Potomac, downstream bridge, Vermilion County, Illinois, T21N, R13W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 3 (Potomac Quad)	09/22/76	Semi-Polluted
BPKZ-11	Unnamed tributary Middle Fork Vermilion River, 2.6 mi W Potomac, 200 yd downstream Wescove Christian High School wastewater treatment plant outfall, Vermilion County, Illinois, T21N, R13W, SE $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 5 (Potomac Quad)	09/20/76	Unbalanced
BPKZ-12	Unnamed tributary Middle Fork Vermilion River, 0.3 mi S Armstrong, Vermilion County, Illinois, T21N, R14W, SE $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 1 (Potomac Quad)	09/20/76	Unbalanced

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
BPKZ-13	Unnamed tributary Middle Fork Vermilion River, 0.9 mi SSW Armstrong, Vermilion County, Illinois, T21N, R14W, NE $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 12 (Potomac Quad)	09/17/76	Semi-Polluted
BPKZ-14	Unnamed tributary Middle Fork Vermilion River, downstream bridge, 3.2 mi N Penfield, Champaign County, Illinois, T22N, R14W, NE $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 20 (Potomac Quad)	09/17/76	Semi-Polluted
BPKZ-15	Unnamed tributary Middle Fork Vermilion River, 200 ft downstream Paxton wastewater treatment plant outfall, 2.2 mi S Paxton, Ford County, Illinois, T23N, R10E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 29 (Paxton Quad)	09/16/76	Polluted
BPZ	Unnamed tributary of unnamed tributary Vermilion River, 4.2 mi SE Danville, Vermilion County, Illinois, T19N, R11E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 26 (Danville SE Quad)	09/23/76	Dry
BPZ	Unnamed tributary of unnamed tributary Vermilion River, 4.5 mi SE Danville, Vermilion County, Illinois, T19N, R11E, NW $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 26 (Danville SE Quad)	09/23/76	Dry
BPZ	Unnamed tributary of Vermilion River, 4.3 mi ESE Westville, Vermilion County, Illinois, T18N, R11W, SW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 13 (Danville SE Quad)	09/24/76	Dry
BZ	Unnamed tributary of Wabash River, 6.9 mi ESE Marshall, Clark County, Illinois, T11N, R11W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 36 (Hutton Quad)	06/11/77	Dry
BZ	Unnamed tributary of unnamed tributary Wabash River, 0.5 mi N Allendale, Wabash County, Illinois, T1N, R12W, SW $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 11 (St. Francisville Quad)	06/09/77	Dry
BZ-10	Unnamed tributary Wabash River, 1.6 mi N Maunie, downstream bridge, White County, Illinois, T5S, R11E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 30 (Carmi Quad)	08/17/77	Unbalanced
BZ-11	Unnamed tributary Wabash River, 2 mi S Allendale, Wabash County, Illinois, T1N, R12W, NW $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 22 (St. Francisville Quad)	06/09/77	Semi-Polluted
BZ-12	Unnamed tributary Wabash River, 0.8 mi NE Allendale, downstream bridge, Wabash County, Illinois, T1N, R12W, NW $\frac{1}{4}$, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 12 (St. Francisville Quad)	06/09/77	Semi-Polluted
BZ-13	Unnamed tributary Wabash River, 1.5 mi N Allendale, Wabash County, Illinois, T1N, R12W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 1 (St. Francisville Quad)	06/09/77	Balanced
BZ-14	Unnamed tributary Wabash River, 6.4 mi ESE Flat Rock, Crawford County, Illinois, T5N, R10W, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 18 (Russellville Quad)	05/25/77	Unbalanced
BZ-15	Unnamed tributary Wabash River, 4 mi ESE Flat Rock, Crawford County, Illinois, T5N, R11W, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 11 (Heathsville Quad)	05/25/77	Semi-Polluted

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
BZA-10	Willow Pond Slough, 6.1 mi SSW New Haven, Callatin County, Illinois, T8S, R10E, NW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 18 (New Haven SW Quad)	08/17/77	Unbalanced
BZF	Jerry Slough, 1.9 mi S Phillipstown, White County, Illinois, T5S, R14W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 6 (Carmi Quad)	08/17/77	Dry
BZG	Fox River, 2.2 mi E Phillipstown, White County, Illinois, T4S, R14W, NW $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 33 (New Harmony Quad)	08/16/77	No Access
BZI-10	Greathouse Creek, 1.5 mi SSW Mt. Carmel, downstream bridge, Wabash County, Illinois, T1S, R12W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 29 (Mt. Carmel Quad)	07/15/77	Semi-Polluted
BZJ	Crawfish Creek, 3.8 mi W Allendale, Wabash County, Illinois, T1N, T12W, NE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 18 (Lancaster Quad)	06/08/77	Dry
BZJZ	Unnamed tributary Crawfish Creek, 2.3 mi WNW Allendale, Wabash County, Illinois, T1N, R12W, SW $\frac{1}{4}$, Sec. 4 (Lancaster Quad)	09/15/77	Dry
BZJZ-10	Unnamed tributary Crawfish Creek, 2.5 mi N Mt. Carmel, Wabash County, Illinois, T1S, R12W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 5 (Mt. Carmel Quad)	06/08/77	Unbalanced
BZJZ-11A	Unnamed tributary Crawfish Creek, 1	06/08/77	Unbalanced
BZJZ-11B	mi W Adams Corner, Wabash County, Illinois, T1N, R12W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 17 (Lancaster Quad)	09/15/77	Unbalanced
BZK	Raccoon Creek, 4.2 mi SW Bridgeport, Lawrence County, Illinois, T3N, R13W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 25 (Sumner Quad)	06/07/77	Dry
BZK-10A	Raccoon Creek, 3 mi NNE Allendale,	06/09/77	Unbalanced
BZK-10B	Wabash County, Illinois, T2N, R12W, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 36 (St. Francisville Quad)	09/15/77	Balanced
BZK-11	Raccoon Creek, 6.9 mi W St. Francisville, Lawrence County, Illinois, T2N, R12W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 20 (Lancaster Quad)	06/07/77	Semi-Polluted
BZKA-10	Big Slough, 2 mi W St. Francisville, Lawrence County, Illinois, T2N, R11W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 19 (St. Francisville Quad)	06/08/77	Semi-Polluted
BZKA-11	Big Slough, 3 mi NNW St. Francisville, Lawrence County, Illinois, T2N, R11W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 6 (Lawrenceville Quad)	06/09/77	Semi-Polluted
BZKAZ	Unnamed tributary Big Slough, at St. Francisville lagoon, Lawrence County, Illinois, T2N, R11W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 20 (St. Francisville Quad)	06/08/77	Dry
BZKB	Seed Creek, 3.9 mi SSW Bridgeport, Lawrence County, Illinois, T3N, R12W, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 30 (Sumner Quad)	06/07/77	Dry
BZKZ-10	Unnamed tributary Raccoon Creek, 6.3 mi WNW St. Francisville, Lawrence County, Illinois, T2N, R12W, NW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 9 (Lancaster Quad)	06/07/77	Unbalanced

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BZL-10	England Ditch, 0.7 mi NE St. Francisville, Lawrence County, Illinois, T2N, R11W, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 16 (St. Francisville Quad)	06/08/77	Unbalanced
BZN	No Business Creek, 6.0 mi SE Palestine, Crawford County, Illinois, T6N, R10W, NW $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 28 (Heathsville Quad)	05/25/77	Dry
BZN-10	No Business Creek, 5.2 mi SE Palestine, downstream bridge, Crawford County, Illinois, T6N, R10W, NW $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 20 (Heathsville Quad)	05/25/77	Semi-Polluted
BZN-11	No Business Creek, 3.3 mi SE Palestine, Crawford County, Illinois, T6N, R11W, NE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 13 (Heathsville Quad)	05/25/77	Semi-Polluted
BZNZ	Unnamed tributary No Business Creek,ek, 4.9 mi SE Palestine, Crawford County, Illinois, T6N, R10W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 17 (Heathsville Quad)	05/25/77	Dry
BZO	Hutson Creek, 2.1 mi W Hutsonville, Crawford County, Illinois, T8N, R12W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 23 (Hutsonville Quad)	05/28/77	Dry
BZO-10	Hutson Creek, in Hutsonville, Crawford County, Illinois, T8N, R11W, NE $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 29 (Hutsonville Quad)	06/01/77	Semi-Polluted
BZO-11	Hutson Creek, 0.8 mi S Hutsonville, Crawford County, Illinois, T8N, R11W, SE $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 32 (Hutsonville Quad)	05/28/77	Unbalanced
BZO-12	Hutson Creek, 2 mi SW Hutsonville, Crawford County, Illinois, T8N, R12W, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 36 (Hutsonville Quad)	05/28/77	Unbalanced
BZOZ	Unnamed tributary Hutson Creek, 2.6 mi WNW Hutsonville, Crawford County, Illinois, T8N, R12W, SW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 24 (Hutsonville Quad)	05/28/77	Dry
BZOZ	Unnamed tributary Hutson Creek, 2.6 mi S Hutsonville, Crawford County, Illinois, T7N, R11W, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 9 (Hutsonville Quad)	05/27/77	Dry
BZOZ	Unnamed tributary Hutson Creek, 4.8 mi W Hutsonville, Crawford County, Illinois, T8N, R12W, SW $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 21 (Hutsonville Quad)	05/28/77	Dry
BZOZ	Unnamed tributary Hutson Creek, 4.1 mi W Hutsonville, Crawford County, Illinois, T8N, R12W, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 34 (Hutsonville Quad)	05/28/77	Dry
BZP	Snyder Creek, 9.3 mi NNE Hutsonville, Clark County, Illinois, T9N, R11W, NE $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 11 (Hutsonville Quad)	06/01/77	Dry
BZP	Snyder Creek, 9.5 mi N Hutsonville, Clark County, Illinois, T9N, R11W, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 9 (Hutsonville Quad)	06/01/77	Dry
BZP	Snyder Creek, 8.5 mi S Marshall, Clark County, Illinois, T10N, R11W, NE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 31 (Snyder Quad)	06/01/77	Dry
BZP	Snyder Creek, 6.0 mi S Marshall, Clark County, Illinois, T10N, R12W, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 13 (Snyder Quad)	06/01/77	Dry

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BZS	Crooked Creek, 5.6 mi NNE Marshall, Clark County, Illinois, T12N, R11W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 21 (Marshall Quad)	06/11/77	Dry
BZS-10	Crooked Creek, 8.4 mi E Marshall, Clark County, Illinois, T11N, R10W, NE $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 20 (Dennison Quad)	06/12/77	Unbalanced
BZS-11	Crooked Creek, 6.2 mi ENE Marshall, Clark County, Illinois, T11N, R11W, NE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 1 (Dennison Quad)	06/11/77	Unbalanced
BZS-12	Crooked Creek, 5.6 mi NE Marshall, Clark County, Illinois, T12N, R11W, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 34 (Dennison Quad)	06/12/77	Unbalanced
BZT	Hawks Creek, 7.2 mi NE Marshall, Clark County, Illinois, T12N, R11W, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 36 (Dennison Quad)	06/11/77	Dry
BZT	Hawks Creek, 6.6 mi NE Marshall, Clark County, Illinois, T12N, R11W, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 22 (Dennison Quad)	06/11/77	Dry
BZT-10	Hawks Creek, 8.5 mi ENE Marshall, Clark County, Illinois, T11N, R10W, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 5 (Dennison Quad)	06/11/77	Unbalanced
BZU-10	Sugar Creek, 6 mi E Flat Rock, Crawford County, Illinois, T5N, R10W, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 6 (Heathsville Quad)	05/25/77	Unbalanced
BZU-11	Sugar Creek, 5.5 mi E Flat Rock, Crawford County, Illinois, T6N, R10W, SW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 31 (Heathsville Quad)	05/25/77	Unbalanced
BZUA	Sweet Creek, 5.7 mi E Flat Rock, Crawford County, Illinois, T5N, R10W, SW $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 7 (Heathsville Quad)	05/25/77	Dry
BZUZ-10	Unnamed tributary Sugar Creek, 5.2 mi E Flat Rock, Crawford County, Illinois, T6N, R10W, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 31 (Heathsville Quad)	05/25/77	Unbalanced
BZV-10	Wabash Levee Ditch, 1.9 mi SW Maunie, downstream bridge, White County, Illinois, T6S, R10E, SE $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 11 (Carmi Quad)	08/17/77	Semi-Polluted
BZW	Sandy Slough, 2.6 mi ENE New Haven, White County, Illinois, T7S, R10E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 14 (Emma Quad)	08/10/77	Dry
BZX	Granny Tweedle Ditch, 3.6 mi E Emma, White County, Illinois, T6S, R10E, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 25 (Emma Quad)	08/10/77	Dry
C	Little Wabash River, 0.5 mi N New Haven, White County, Illinois, T7S, R10E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 17 (Hew Haven Quad)	08/10/77	No Access
C	Little Wabash River, 2.9 mi E Herald, White County, Illinois, T6S, R10E, NW $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 32 (New Haven Quad)	08/10/77	No Access
C	Little Wabash River, 2.5 mi WNW Crossville, White County, Illinois, T4S, R10E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 16 (Carmi Quad)	08/11/77	No Access

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C-06	Little Wabash River, 2.8 mi NW Effingham, Effingham County, Illinois, T8N, R5E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 13 (Effingham Quad)	06/23/77	Unbalanced
C-07	Little Wabash River, 1.3 mi N Clay City, downstream bridge, Clay County, Illinois, T3N, R8E, SW $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 7 (Flora Quad)	07/11/77	Unbalanced
C-10	Little Wabash River, 4.5 mi E Iola, downstream bridge, Clay County, Illinois, T5N, R6E, NW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 33 (Edgewood Quad)	07/08/77	Unbalanced
C-20	Little Wabash River, 2.2 mi S Carmi, White County, Illinois, T5S, R9E, NE $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 25 (Carmi Quad)	08/12/77	Unbalanced
C-21	Little Wabash River, in E Carmi, 150 yd downstream Carmi wastewater treatment plant outfall, White County, Illinois, T5S, R9E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 13 (Carmi Quad)	08/12/77	Semi-Polluted
C-22	Little Wabash River, in E Carmi, 250 yd upstream Carmi wastewater treatment plant outfall, White County, Illinois, T5S, R9E, NW $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 13 (Carmi Quad)	08/11/77	Semi-Polluted
C-23	Little Wabash River, 4 mi NNW Crossville, downstream bridge, White County, Illinois, T3S, R10E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 33 (Carmi Quad)	08/11/77	Unbalanced
C-24	Little Wabash River, 5.5 mi N Golden Gate, downstream road, Wayne County, Illinois, T1S, R9E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 15 (Albion NW Quad)	08/04/77	Unbalanced
C-25	Little Wabash River, 1.9 mi W Black, downstream bridge, Edwards County, Illinois, T1S, R10E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 6 (Albion NW Quad)	08/03/77	Unbalanced
C-26	Little Wabash River, 4.8 mi N Mt. Erie, Wayne County, Illinois, T2N, R9E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 20 (Mt. Erie Quad)	07/28/77	Semi-Polluted
C-27	Little Wabash River, 2.3 mi SE Louisville, Clay County, Illinois, T4N, R6E, NW $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 36 (Flora Quad)	07/09/77	Semi-Polluted
C-28	Little Wabash River, 0.7 mi E Louisville, Clay County, Illinois, T4N, R6E, NE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 23 (Sailor Springs Quad)	07/09/77	Unbalanced
C-29	Little Wabash River, 4.4 mi NE Iola, Clay County, Illinois, T5N, R6E, SE $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 18 (Edgewood Quad)	07/08/77	Unbalanced
C-30	Little Wabash River, 4.2 mi ESE Mason, Effingham County, Illinois, T6N, R6E, NW $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 29 (Edgewood Quad)	07/07/77	Unbalanced
C-31	Little Wabash River, 4.2 mi E Mason, Effingham County, Illinois, T6N, R6E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 17 (Edgewood Quad)	07/07/77	Unbalanced
C-32	Little Wabash River, 2.5 mi SSW Watson, Effingham County, Illinois, T6N, R5E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 1 (Edgewood Quad)	06/27/77	Unbalanced

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
C-33	Little Wabash River, 2.7 mi WNW Watson, Effingham County, Illinois, T7N, R5E, NW¼, NE¼, SE¼, Sec. 22 (Effingham Quad)	07/07/77	Unbalanced
C-34	Little Wabash River, 2.5 mi W Effingham, downstream bridge, Effingham County, Illinois, T8N, R5E, NE¼, SE¼, NW¼, Sec. 25 (Effingham Quad)	07/07/77	Unbalanced
C-35	Little Wabash River, 4.1 mi E Stewardson, Shelby County, Illinois, T10N, R6E, SE¼, SE¼, SW¼, Sec. 29 (Stewardson Quad)	06/22/77	Balanced
C-36	Little Wabash River, 5.1 mi NNW Siegel, downstream road, Shelby County, Illinois, T10N, R6E, NE¼, SE¼, NW¼, Sec. 22 (Stewardson Quad)	06/21/77	Balanced
C-37	Little Wabash River, 5.6 mi N Siegel, Shelby County, Illinois, T10N, R6E, SE¼, NW¼, SW¼, Sec. 14 (Stewardson Quad)	06/22/77	Unbalanced
C-38	Little Wabash River, 6.8 mi SSW Mattoon, Coles County, Illinois, T11N, R7E, SW¼, SE¼, SW¼, Sec. 17 (Mattoon Quad)	06/13/77	Unbalanced
C-39	Little Wabash River, 3.6 mi SW Mattoon, Coles County, Illinois, T12N, R7E, NE¼, SW¼, NE¼, Sec. 33 (Mattoon Quad)	06/20/77	Semi-Polluted
CA'	Skillet Fork, 4.75 mi WNW Mill Shoals, Wayne County, Illinois, T3S, R7E, SE¼, SE¼, SE¼, Sec. 9 (Fairfield Quad)	07/08/77	Vandalized
CA	Skillet Fork, 5 mi SE Sims, Wayne County, Illinois, T2S, R7E, SE¼, NW¼, SW¼, Sec. 31 (Fairfield Quad)	08/27/77	No Access
CA	Skillet Fork, 3.5 mi SE Wayne City, Wayne County, Illinois, T2S, R6E, SW¼, Sec. 28 (Wayne City Quad)	08/25/77	No Access
CA'	Skillet Fork, 1.5 mi E Wayne City, Wayne County, Illinois, T2S, R6E, SE¼, SE¼, SW¼, Sec. 17 (Wayne City Quad)	08/26/77	Vandalized
CA'	Skillet Fork, 3 mi NW Wayne City, Wayne County, Illinois, T1S, R5E, SW¼, SW¼, SE¼, Sec. 35 (Wayne City Quad)	08/25/77	Vandalized
CA'	Skillet Fork, 6.5 mi NW Wayne City, Wayne County, Illinois, T1S, R5E, SE¼, SE¼, NE¼, Sec. 15 (Wayne City Quad)	08/25/77	Vandalized
CA'	Skillet Fork, 10.5 mi NW Wayne City, Wayne County, Illinois, T1N, R5E, SE¼, NW¼, SE¼, Sec. 31 (Wayne City Quad)	08/25/77	Vandalized
CA'	Skillet Fork, 7 mi SE Iuka, Marion County, Illinois, T1N, R4E, SE¼, SE¼, SW¼, Sec. 14 (Xenia Quad)	08/24/77	Vandalized
CA'	Skillet Fork, 2 mi E Springerton, White County, Illinois, T4S, R8E, SW¼, SE¼, SE¼, Sec. 9 (Enfield Quad)	09/27/77	Vandalized
CA'	Skillet Fork, 5.5 mi NW Carmi, White County, Illinois, T4S, R9E, SE¼, NE¼, NE¼, Sec. 29 (Carmi Quad)	07/08/77	Vandalized
CA'	Skillet Fork, 4 mi E Springerton, White County, Illinois, T4S, R8E, SW¼, SE¼, NE¼, Sec. 23 (Enfield Quad)	07/08/77	Vandalized

An apostrophe (') indicates a plate sample.

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
CA'	Skillet Fork, 1.5 mi S Mill Shoals, White County, Illinois, T3S, R8E, NW $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 29 (Enfield Quad)	08/27/77	Vandalized
CA'	Skillet Fork, 1 mi W Mill Shoals, White County, Illinois, T3S, R8E, NE $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 19 (Enfield Quad)	08/27/77	Vandalized
CA'	Skillet Fork, 4.5 mi WNW Mill Shoals, Wayne County, Illinois, T3S, R7E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 9 (Fairfield Quad)	08/26/77	Vandalized
CA-03'	Skillet Fork, 4.5 mi N Carmi, White County, Illinois, T4S, R9E, NW $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 25 (Carmi Quad)	07/08/77 to 08/27/77	Semi-Polluted
CA-04	Skillet Fork, 1.2 mi N Wayne City, downstream road, Wayne County, Illinois, T2S, R6E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 7 (Wayne City Quad)	07/07/77	Unbalanced
CA-14'	Skillet Fork, 4.0 mi E Springerton, downstream bridge, White County, Illinois, T4S, R8E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 23 (Enfield Quad)	08/28/77 to 10/06/77	Semi-Polluted
CA-15	Skillet Fork, 3.3 mi SE Iuka, downstream bridge, Marion County, Illinois, T2N, R4E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 33 (Iuka Quad)	08/24/77	Semi-Polluted
CA-16	Skillet Fork, 3.2 mi ENE Iuka, Marion County, Illinois, T2N, R4E, NW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 11 (Xenia Quad)	08/24/77	Unbalanced
CA-17	Skillet Fork, 5.3 mi NNE Iuka, Marion County, Illinois, T3N, R4E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 22 (Xenia Quad)	08/24/77	Unbalanced
CA-18	Skillet Fork, 6 mi NW Xenia, Marion County, Illinois, T3N, R4E, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 12 (Xenia Quad)	08/24/77	Unbalanced
CA-19	Skillet Fork, 7.6 mi NNW Xenia, Marion County, Illinois, T4N, R4E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 36 (Xenia Quad)	07/02/77	Unbalanced
CA-20	Skillet Fork, 3.8 mi SE Farina, Marion County, Illinois, T4N, R4E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 14 (Edgewood Quad)	07/01/77	Semi-Polluted
CAA-10	Wilson Creek, 5.5 mi N Carmi, White County, Illinois, T4S, R9E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 13 (Carmi Quad)	07/08/77	Semi-Polluted
CAB-10	Limekiln Creek, 6.3 mi E Springerton, White County, Illinois, T4S, R9E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 17 (Carmi Quad)	07/08/77	Unbalanced
CAC-10	Sevenmile Creek, 5.7 mi NW Carmi, White County, Illinois, T4S, R9E, NW $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 29 (Carmi Quad)	07/08/77	Balanced
CAC-11	Sevenmile Creek, 4.6 mi E Enfield, White County, Illinois, T5S, R9E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 7 (Enfield Quad)	07/08/77	Unbalanced
CACZ	Unnamed tributary Sevenmile Creek, 3.6 mi SE Enfield, White County, Illinois, T5S, R8E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 23 (Enfield Quad)	07/08/77	Dry
CAD	Beaver Creek, 3.4 mi WSW Springerton, Hamilton County, Illinois, T4S, R7E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 23 (Enfield Quad)	08/28/77	Dry

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STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
CAD-10	Beaver Creek, 1.1 mi ESE Springerton, White County, Illinois, T4S, R8E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 20 (Enfield Quad)	08/28/77	Semi-Polluted
CADZ	Unnamed tributary Beaver Creek, 2.8 mi SSW Springerton, Hamilton County, Illinois, T4S, R7E, NW $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 25 (Enfield Quad)	08/27/77	Dry
CAE-10	Prairie Creek, 3.6 mi ENE Springerton, White County, Illinois, T4S, R8E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 2 (Enfield Quad)	07/08/77	Unbalanced
CAF-10	Southern Outlet Ditch, 1.9 mi N Springerton, White County, Illinois, T4S, R8E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 5 (Enfield Quad)	08/28/77	Unbalanced
CAF-11	Southern Outlet Ditch, 4.4 mi W Springerton, Hamilton County, Illinois, T4S, R7E, NW $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 9 (Enfield Quad)	08/28/77	Semi-Polluted
CAG-10	Main Outlet Ditch, 1.5 mi SW Mill Shoals, White County, Illinois, T3S, R8E, SE $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 30 (Enfield Quad)	07/10/77	Semi-Polluted
CAGA	Wolf Ditch, 6.0 ESE Belle Prairie City, Hamilton County, Illinois, T4S, R7E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 8 (Enfield Quad)	08/28/77	Dry
CAGB	Main Outlet, Big Creek Ditch, 7 mi SW Mill Shoals, White County, Illinois, T3S, R7E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 33 (Enfield Quad)	08/28/77	Dry
CAGB-10	Big Creek, 4.3 mi S Belle Prairie City, Hamilton County, Illinois, T4S, R6E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 21 (McLeansboro Quad)	07/06/77	Semi-Polluted
CAGB-11	Big Creek, 4.7 mi SE Dahlgren, Hamilton County, Illinois, T4S, R5E, NE $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 23 (McLeansboro Quad)	07/06/77	Unbalanced
CAGB-12	Big Creek, 2.4 mi SSE Dahlgren, Hamilton County, Illinois, T4S, R5E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 16 (McLeansboro Quad)	07/06/77	Balanced
CAGBA-10	Opossum Creek, 3.7 mi NNW McLeansboro, Hamilton County, Illinois, T4S, R6E, NE $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 32 (McLeansboro Quad)	06/28/77	Semi-Polluted
CAGBZ	Unnamed tributary Big Creek, 3.9 mi SE Belle Prairie City, downstream bridge, Hamilton County, Illinois, T4S, R6E, NW $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 14 (McLeansboro Quad)	08/27/77	Dry
CAGBZ-10	Unnamed tributary Big Creek Ditch, 2.8 mi SE Belle Prairie City, Hamilton County, Illinois, T4S, R6E, NE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 10 (McLeansboro Quad)	07/06/77	Semi-Polluted
CAGBZ-11	Unnamed tributary Big Creek Ditch, 3.1 mi SE Belle Prairie City, Hamilton County, Illinois, T4S, R6E, NE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 10 (McLeansboro Quad)	07/06/77	Semi-Polluted

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
CAGBZ-12	Unnamed tributary Big Creek Ditch, 2.2 mi S Belle Prairie City, Hamilton County, Illinois, T4S, R6E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 9 (McLeansboro Quad)	07/28/77	Semi-Polluted
CAGBZ-13	Unnamed tributary Big Creek, 4.3 mi S Belle Prairie City, Hamilton County, Illinois, T4S, R6E, NW $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 20 (McLeansboro Quad)	06/28/77	Semi-Polluted
CAGBZ-14	Unnamed tributary Big Creek, 3.2 mi N McLeansboro, downstream road, Hamilton County, Illinois, T4S, R6E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 28 (McLeansboro Quad)	06/28/77	Unbalanced
CAGBZ-15	Unnamed tributary Big Creek, 5.1 mi SE Dahlgren, Hamilton County, Illinois, T4S, R5E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 25 (McLeansboro Quad)	07/06/77	Unbalanced
CAGBZ-16	Unnamed tributary Big Creek, in SW Dahlgren, Hamilton County, Illinois, T4S, R5E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 7 (McLeansboro Quad)	06/28/77	Unbalanced
CAGC	Auxier Creek, 1.7 mi NW Belle Prairie City, Hamilton County, Illinois, T3S, R6E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 20 (McLeansboro Quad)	08/27/77	Dry
CAGC-10	Auxier Creek Ditch, 2.1 mi ENE Belle Prairie City, Hamilton County, Illinois, T3S, R6E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 27 (McLeansboro Quad)	07/06/77	Unbalanced
CAGC-11	Auxier Creek Ditch, 1.4 mi NE Belle Prairie City, Hamilton County, Illinois, T3S, R6E, NE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 28 (McLeansboro Quad)	08/27/77	Semi-Polluted
CAGC-12	Auxier Creek, 1.0 mi N Belle Prairie City, Hamilton County, Illinois, T3S, R6E, NE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 29 (McLeansboro Quad)	08/27/77	Semi-Polluted
CAGC-13	Auxier Creek Ditch, 3.1 mi NW Belle Prairie City, downstream bridge, Hamilton County, Illinois, T3S, R6E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 19 (Wayne City Quad)	08/27/77	Unbalanced
CAGC-14	Auxier Creek, 5.2 mi NE Dahlgren, Wayne County, Illinois, T3S, R5E, NE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 14 (Wayne City Quad)	07/07/77	Semi-Polluted
CAGC-15	Auxier Creek, 3 mi N Dahlgren, Hamilton County, Illinois, T3S, R5E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 19 (McLeansboro Quad)	07/07/77	Balanced
CAGC-16	Auxier Creek, 0.9 mi N Belle Rive, Jefferson County, Illinois, T3S, R4E, NE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 22 (McLeansboro Quad)	07/07/77	Unbalanced
CAGC-17	Auxier Creek, 3.2 mi S Bluford, Jefferson County, Illinois, T3S, R4E, SW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 10 (Opdyke Quad)	07/07/77	Balanced
CAGCA	Shelton Creek, 1.5 mi NE Dahlgren, Hamilton County, Illinois, T3S, R5E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 33 (McLeansboro Quad)	07/07/77	Dry
CAGCA-10	Shelton Creek, 3.9 mi NE Dahlgren, Hamilton County, Illinois, T3S, R5E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 27 (McLeansboro Quad)	07/07/77	Unbalanced

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
CAGCZ-10	Unnamed tributary Auxier Creek, 3.9 mi N Dahlgren, Wayne County, Illinois, T3S, R5E, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 17 (Wayne City Quad)	07/07/77	Unbalanced
CAH-10	Haw Creek, 3.2 mi W Mill Shoals, downstream road, Hamilton County, Illinois, T3S, R7E, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 23 (Enfield Quad)	07/10/77	Semi-Polluted
CAI	Skillet Slough, 6 mi SE Wayne City, Wayne County, Illinois, T3S, R6E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 12 (Fairfield Quad)	08/26/77	Dry
CAI	Skillet Lagoon, 4 mi SE Wayne City, Wayne County, Illinois, T2S, R6E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 34 (Wayne City Quad)	08/26/77	Dry
CAJ-10	Dry Fork, 3.6 mi SE Sims, downstream road, Wayne County, Illinois, T2S, R6E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 25 (Fairfield Quad)	08/27/77	Unbalanced
CAJ-11	Dry Fork, 2.1 mi ENE Sims, Wayne County, Illinois, T2S, R6E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 2 (Fairfield Quad)	07/09/77	Unbalanced
CAJ-12	Dry Fork, 4.1 mi NNE Sims, Wayne County, Illinois, T1S, R6E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 23 (Wayne City Quad)	07/09/77	Unbalanced
CAJ-13	Dry Fork, 5.5 mi W Geff, Wayne County, Illinois, T1S, R6E, NE $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 14 (Wayne City Quad)	07/10/77	Unbalanced
CAJ-14A	Dry Fork, 4.8 mi SW Cisne, Wayne County, Illinois, T1N, R6E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 35 (Wayne City Quad)	07/09/77	Unbalanced
CAJ-14B		09/16/77	Semi-Polluted
CAJA-10	Walton Creek, 3.2 mi NE Sims, Wayne County, Illinois, T1S, R6E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 36 (Fairfield Quad)	07/07/77	Unbalanced
CAJB-10	Wash Hazel Branch, 4.8 mi NNE Sims, down- stream bridge, Wayne County, Illinois, T1S, R6E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 23 (Fairfield Quad)	07/09/77	Unbalanced
CAJC-10	Little Dry Fork, 4.7 mi N Sims, Wayne County, Illinois, T1S, R6E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 21 (Wayne City Quad)	07/10/77	Unbalanced
CAJC-11	Little Dry Fork, 6.2 mi NNW Sims, Wayne County, Illinois, T1S, R6E, NE $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 17 (Wayne City Quad)	07/09/77	Unbalanced
CAJZ-10	Unnamed tributary Dry Fork, 3.0 mi ESE Sims, downstream bridge, Wayne County, Illinois, T2S, R6E, NE $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 13 (Fairfield Quad)	08/27/77	Semi-Polluted
CAK	Four Mile Creek, in Bluford, Bluford Grade School, Jefferson County, Illinois, T2S, R4E, NE $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 27 (Wayne City Quad)	06/22/77	Dry
CAK	Four Mile Creek, in Bluford, Webber Township High School, Jefferson County, Illinois, T2S, R4E, NE $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 27 (Wayne City Quad)	06/22/77	Dry
CAK-10	Four Mile Creek, 2.6 mi S Wayne City, Wayne County, Illinois, T2S, R5E, NE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 36 (Wayne City Quad)	06/23/77	Balanced
CAK-11	Four Mile Creek, 2.5 mi SSW Wayne City, Wayne County, Illinois, T2S, R5E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 26 (Wayne City Quad)	06/23/77	Semi-Polluted

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
CAK-12	Four Mile Creek, 3.7 mi SW Wayne City, down- stream bridge, Wayne County, Illinois, T2S, R5E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 27 (Wayne City Quad)	06/23/77	Unbalanced
CAK-13	Four Mile Creek, 3.6 mi ESE Bluford, Wayne County, Illinois, T2S, R5E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 31 (Wayne City Quad)	06/23/77	Balanced
CAK-14	Four Mile Creek, 2 mi SE Bluford, Jefferson County, Illinois, T2S, R4E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 35 (Wayne City Quad)	06/22/77	Semi-Polluted
CAK-15	Four Mile Creek, 0.7 mi S Bluford, Jefferson County, Illinois, T2S, R4E, SW $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 27 (Wayne City Quad)	06/28/77	Semi-Polluted
CAKA-10	Fish Slough, 3.3 mi S Wayne City, Wayne County, Illinois, T3S, R6E, SE $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 6 (Wayne City Quad)	06/23/77	Unbalanced
CAKZ	Unnamed tributary Four Mile Creek, in SE Wayne City, Wayne County, Illinois, T2S, R6E, NW $\frac{1}{4}$, Sec. 19 (Wayne City Quad)	06/29/77	Dry
CAKZ	Unnamed tributary Four Mile Creek, 2.8 mi SE Bluford, Jefferson County, Illinois, T2S, R4E, SW $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 36 (Wayne City Quad)	06/22/77	Dry
CAKZ	Unnamed tributary Four Mile Creek, 4.2 mi E Bluford, Wayne County, Illinois, T2S, R5E, SE $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 29 (Wayne City Quad)	06/23/77	Dry
CAKZ-10	Unnamed tributary Four Mile Creek, 1.7 mi WSW Wayne City, downstream bridge, Wayne County, Illinois, T2S, R5E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 23 (Wayne City Quad)	06/23/77	Semi-Polluted
CAKZ-11	Unnamed tributary Four Mile Creek, 3.5 mi ESE Bluford, Wayne County, Illinois, T2S, R5E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 31 (Wayne City Quad)	06/23/77	Balanced
CAKZ-12	Unnamed tributary Four Mile Creek, 3.7 mi ESE Bluford, Wayne County, Illinois, T2S, R5E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 31 (Wayne City Quad)	06/23/77	Unbalanced
CAL-10	Miller Creek, 1.4 mi NW Sims, Wayne County, Illinois, T2S, R6E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 5 (Wayne City Quad)	07/06/77	Semi-Polluted
CAN'	Horse Creek, 4.5 mi NW Wayne City, Wayne County, Illinois, T2S, R5E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 5 (Wayne City Quad)	08/26/77	Vandalized
CAN'	Horse Creek, 6.5 mi N Bluford, Jefferson County, Illinois, T1S, R4E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 21 (Harmony Quad)	08/26/77	Vandalized
CAN-10	Horse Creek, 5 mi NNE Bluford, Jefferson County, Illinois, T1S, R4E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 36 (Wayne City Quad)	10/06/77	Semi-Polluted
CAN-11'	Horse Creek, 6.5 mi ESE Kell, Jefferson County, Illinois, T1S, R4E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 7 (Harmony Quad)	08/25/77 to 10/06/77	Polluted
CAN-12	Horse Creek, 4.3 mi ESE Kell, Marion County, Illinois, T1N, R3E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 36 (Harmony Quad)	08/25/77	Unbalanced

An apostrophe (') indicates a plate sample.

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
CANB-10	Puncheon Creek, 3.4 mi NNE Bluford, Jefferson County, Illinois, T2S, R4E, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 12 (Wayne City Quad)	06/24/77	Unbalanced
CANB-11	Puncheon Creek, 3 mi N Bluford, Jefferson County, Illinois, T2S, R4E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 9 (Opdyke Quad)	06/24/77	Semi-Polluted
CANB-12	Puncheon Creek, 3.3 mi NNW Bluford, Jefferson County, Illinois, T2S, R4E, SW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 9 (Opdyke Quad)	06/24/77	Semi-Polluted
CANB-13	Puncheon Creek, 5.1 mi NW Bluford, Jefferson County, Illinois, T2S, R4E, SE $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 6 (Harmony Quad)	06/24/77	Unbalanced
CANBA	Bear Creek, in N Bluford, Jefferson County, Illinois, T2S, R4E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 22 (Wayne City Quad)	06/28/77	Dry
CANBA	Bear Creek, 0.9 mi N Bluford, Jefferson County, Illinois, T2S, R4E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 22 (Wayne City Quad)	06/24/77	Dry
CANBA-10	Bear Creek, 2.2 mi NNE Bluford, Jefferson County, Illinois, T2S, R4E, NE $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 14 (Wayne City Quad)	06/22/77	Semi-Polluted
CANBAA-10	Cub Branch, 2.3 mi N Bluford, Jefferson County, Illinois, T2S, R4E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 10 (Wayne City Quad)	06/24/77	Unbalanced
CANBB-10	Pigeon Creek, 3.5 mi NW Bluford, Jefferson County, Illinois, T2S, R4E, NW $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 4 (Harmony Quad)	06/24/77	Semi-Polluted
CANBC	White Feather Creek, 2.7 mi NW Bluford, Jefferson County, Illinois, T2S, R4E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 9 (Opdyke Quad)	06/24/77	Dry
CANBZ-10	Unnamed tributary Puncheon Creek, 3.3 mi NE Bluford, Jefferson County, Illinois, T2S, R4E, NE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 12 (Wayne City Quad)	06/22/77	Semi-Polluted
CANBZ-11	Unnamed tributary Puncheon Creek, 3.4 mi NW Bluford, Jefferson County, Illinois, T2S, R4E, NE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 7 (Opdyke Quad)	06/24/77	Unbalanced
CAND-10	Coal Bank Creek, 7.6 mi NNW Bluford, Jefferson County, Illinois, T1S, R4E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 19 (Harmony Quad)	06/22/77	Dry*
CANDZ-10	Unnamed tributary Coal Bank Creek, 7.6 mi NNW Bluford, Jefferson County, Illinois, T1S, R4E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 19 (Harmony Quad)	06/22/77	Dry*
CANDZ-11	Unnamed tributary Coal Bank Creek, 7.1 mi NW Bluford, downstream road, Jefferson County, Illinois, T1S, R4E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 30 (Harmony Quad)	06/22/77	Dry*
CANE-10	Panther Fork, -4.5 mi ESE Kell, Jefferson County, Illinois, T1S, R3E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 3 (Harmony Quad)	08/25/77	Semi-Polluted
CANZ	Unnamed tributary Horse Creek, 8.2 mi N Bluford, Jefferson County, Illinois T1S, R4E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 16 (Harmony Quad)	06/28/77	Dry

*These sites had been dry until some flow was restored following a heavy rain the previous evening. As such, the stations were classified as dry because any other classification under these conditions would be misleading.

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
CANZ	Unnamed tributary Horse Creek, 4.0 mi W Wayne City, Wayne County, Illinois, T2S, R5E, SW $\frac{1}{4}$, Sec. 16 (Wayne City Quad)	06/23/77	Dry
CANZ-10	Unnamed tributary Horse Creek, 6.6 mi N Bluford, Jefferson County, Illinois, T1S, R4E, SE $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 22 (Wayne City Quad)	06/28/77	Unbalanced
CAO-10	Crooked Creek, 5 mi N Wayne City, downstream bridge, Wayne County, Illinois, T1S, R5E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 25 (Wayne City Quad)	08/26/77	Semi-Polluted
CAP-10	Possum Creek, 7.3 mi NNW Wayne City, Wayne County, Illinois, T1S, R5E, SE $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 16 (Wayne City Quad)	08/26/77	Semi-Polluted
CAQ-10	Paddy Creek, 7.9 mi NNW Wayne City, Wayne County, Illinois, T1S, R5E, NE $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 16 (Wayne City Quad)	08/26/77	Semi-Polluted
CAR	Brush Creek, 2.3 mi SSE Orchardville, Wayne County, Illinois, T1S, R5E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 3 (Wayne City Quad)	08/26/77	No Access
CAR-10	Brush Creek, 3.9 mi W Johnsonville, downstream road, Wayne County, Illinois, T1N, R5E, NE $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 14 (Xenia Quad)	07/09/77	Unbalanced
CAR-11	Brush Creek, 4.7 mi SSE Xenia, downstream bridge, Wayne County, Illinois, T2N, R5E, NE $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 36 (Xenia NE Quad)	08/25/77	Semi-Polluted
CAR-12	Brush Creek, 3.1 mi SE Xenia, downstream bridge, Wayne County, Illinois, T2N, R5E, NE $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 24 (Xenia NE Quad)	08/25/77	Unbalanced
CAR-13	Brush Creek, 1.6 mi E Xenia, Clay County, Illinois, T2N, R5E, NW $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 11 (Xenia NE Quad)	08/25/77	Unbalanced
CARA-10	Johnson Fork Brush Creek, 4.4 mi WSW Johnsonville, downstream bridge, Wayne County, Illinois, T1N, R5E, NE $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 35 (Wayne City Quad)	08/26/77	Semi-Polluted
CARB-10	Bob Branch Brush Creek, 3.4 mi W Johnsonville, Wayne County, Illinois, T1N, R5E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 12 (Xenia Quad)	07/09/77	Unbalanced
CARD-10	Gum Branch Brush Creek, 4.4 mi WNW Johnsonville, downstream bridge, Wayne County, Illinois, T1N, R5E, SW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 2 (Xenia Quad)	08/25/77	Unbalanced
CAS-10	Turner Creek, 7.1 mi WSW Johnsonville, downstream bridge, Wayne County, Illinois, T1N, R5E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 33 (Wayne City Quad)	08/26/77	Unbalanced
CAT	Lick Branch, 10 mi E Kell, Marion County, Illinois, T1N, R4E, NE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 35 (Wayne City Quad)	08/25/77	No Access
CAU-10	Paintrock Creek, 7.4 mi SSE Iuka, Marion County, Illinois, T1N, R4E, SE $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 22 (Iuka Quad)	06/30/77	Semi-Polluted

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
CAU-11	Paintrock Creek, 6.6 mi S Iuka, Marion County, Illinois, T1N, R4E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 17 (Iuka Quad)	06/30/77	Unbalanced
CAUA-10	Joe Branch Paintrock Creek, 6.3 mi ENE Kell, Marion County, Illinois, T1N, R4E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 19 (Iuka Quad)	06/30/77	Semi-Polluted
CAV-10	Fulton Creek, 2.9 mi S Iuka, Marion County, Illinois, T2N, R4E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 31 (Iuka Quad)	06/30/77	Semi-Polluted
CAV-11	Fulton Creek, 4 mi SSW Iuka, Marion County, Illinois, T2N, R3E, NE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 35 (Iuka Quad)	07/01/77	Semi-Polluted
CAVA-10	Johns Branch Fulton Creek, 2.8 mi SSE Iuka, Marion County, Illinois, T2N, R4E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 29 (Iuka Quad)	06/30/77	Semi-Polluted
CAW-10	Dums Creek, 2.6 mi ENE Iuka, downstream road, Marion County, Illinois, T2N, R4E, NE $\frac{1}{4}$, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 10 (Xenia Quad)	08/24/77	Semi-Polluted
CAW-11	Dums Creek, 2.6 mi N Iuka, Marion County, Illinois, T3N, R4E, NW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 32 (Omega Quad)	08/24/77	Unbalanced
CAW-12	Dums Creek, 3.3 mi WNW Iuka, Marion County, Illinois, T2N, R3E, NW $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 10 (Omega Quad)	08/24/77	Unbalanced
CAW-13	Dums Creek, 4.3 mi NW Iuka, Marion County, Illinois, T3N, R3E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 26 (Omega Quad)	08/23/77	Semi-Polluted
CAW-14	Dums Creek, 3.8 mi ESE Alma, Marion County, Illinois, T3N, R3E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 15 (Omega Quad)	07/01/77	Unbalanced
CAW-15	Dums Creek, 2.5 mi E Alma, Marion County, Illinois, T3N, R3E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 10 (Omega Quad)	07/01/77	Unbalanced
CAWA-10	Jamison Creek, 2.1 mi ENE Iuka, downstream road, Marion County, Illinois, T2N, R4E, SW $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 10 (Iuka Quad)	06/30/77	Unbalanced
CAWB-10	Bear Creek, 2 mi NNE Iuka, Marion County, Illinois, T2N, R4E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 5 (Omega Quad)	06/30/77	Unbalanced
CAWD-10	Bee Branch, 3.4 mi N Iuka, downstream road, Marion County, Illinois, T3N, R4E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 32 (Omega Quad)	06/30/77	Unbalanced
CAWZ-10	Unnamed tributary Dums Creek, 3.7 mi ESE Alma, downstream road, Marion County, Illinois, T3N, R3E, NE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 15 (Omega Quad)	07/01/77	Unbalanced
CAX-10	Conner Branch, 4 mi W Xenia, downstream bridge, Marion County, Illinois, T2N, R4E, NE $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 1 (Xenia Quad)	08/25/77	Unbalanced
CAX-11	Conner Branch, 3.2 mi NNW Xenia, Clay County, Illinois, T3N, R5E, SW $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 29 (Xenia Quad)	08/25/77	Unbalanced
CAY	Lost Fork, 4.5 mi E Kinmundy, Marion County, Illinois, T4N, R4E, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 28 (Kinmundy Quad)	07/01/77	Dry

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
CAY-10	Lost Fork, 6.5 mi NNE Iuka, Marion County, Illinois, T3N, R4E, SW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 15 (Omega Quad)	08/25/77	Unbalanced
CAYZ-10	Unnamed tributary Lost Fork, 2.3 mi ESE Kimmundy, downstream bridge, Marion County, Illinois, T4N, R4E, NW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 30 (Kimmundy Quad)	07/01/77	Unbalanced
CAZA	Gowdy Creek, 0.9 mi W Enfield, White County, Illinois, T5S, R8E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 8 (Enfield Quad)	08/27/77	Dry
CAZA	Gowdy Creek, 1.9 mi NNW Enfield, White County, Illinois, T4S, R8E, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 32 (Enfield Quad)	08/27/77	Dry
CAZA-10	Gowdy Creek, 2.6 mi ESE Springerton, downstream road, White County, Illinois, T4S, R8E, NW $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 22 (Enfield Quad)	07/08/77	Unbalanced
CAZAZ	Unnamed tributary Gowdy Creek, 2.1 mi WNW Enfield, Hamilton County, Illinois, T5S, R7E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 12 (Enfield Quad)	08/27/77	Dry
CAZB-10	Sutton Creek, 7.2 mi NNW Xenia, Clay County, Illinois, T4N, R5E, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 32 (Xenia Quad)	07/02/77	Semi-Polluted
CAZBA-10	Pickle Creek, 6.6 mi N Xenia, Clay County, Illinois, T3N, R5E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 5 (Xenia Quad)	07/02/77	Unbalanced
CAZBZ-10	Unnamed tributary Sutton Creek, 5.1 mi SSW Iola, Clay County, Illinois, T4N, R5E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 20 (Edgewood Quad)	07/01/77	Unbalanced
CAZC-10	Eagle Slough Drainage Ditch, 5.3 mi NW Mill Shoals, Wayne County, Illinois, T3S, R7E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 4 (Fairfield Quad)	07/10/77	Semi-Polluted
CAZCZ-10	Unnamed tributary Eagle Slough Drainage Ditch, 5.2 mi NW Mill Shoals, Wayne County, Illinois, T2S, R7E, SW $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 34 (Fairfield Quad)	07/10/77	Unbalanced
CAZCZZ	Unnamed tributary of unnamed tributary Eagle Slough Drainage Ditch, 5.0 mi SW Fairfield, Wayne County, Illinois, T2S, R7E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 21 (Fairfield Quad)	08/28/77	Dry
CAZCZZ-10	Unnamed tributary Eagle Slough Drainage Ditch, 3.9 mi SW Fairfield, Wayne County, Illinois, T2S, R7E, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 15 (Fairfield Quad)	08/28/77	Semi-Polluted
CAZD-10	Poplar Creek, 7.9 mi SE Iuka, downstream bridge, Marion County, Illinois, T1N, R4E, NW $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 13 (Orchardville Quad)	08/26/77	Semi-Polluted
CAZE-10	Nickolson Creek, 2.4 mi SW Xenia, Clay County, Illinois, T2N, R5E, SW $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 17 (Xenia Quad)	08/26/77	Semi-Polluted
CAZZ	Unnamed tributary Skillet Fork, 1.5 mi NW Mill Shoals, Wayne County, Illinois, T3S, R8E, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 18 (Fairfield Quad)	08/27/77	Dry

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
CB-10	Big Creek, 5.7 mi SW Albion, downstream bridge, Edwards County, Illinois, T2S, R10E, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 29 (Golden Gate Quad)	08/16/77	Semi-Polluted
CBA-10	Ham Creek, 5.8 mi SW Albion, downstream bridge, Edwards County, Illinois, T2S, R10E, NE $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 30 (Golden Gate Quad)	08/16/77	Semi-Polluted
CBB	Butter Creek, 2.3 mi SSW Albion, downstream bridge, Edwards County, Illinois, T2S, R10E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 15 (Albion S Quad)	08/05/77	Dry
CBBZ	Unnamed tributary Butter Creek, in SW Albion, upstream Albion wastewater treatment plant outfall, Edwards County, Illinois, T2S, R10E, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 11 (Albion S Quad)	08/15/77	Dry
CBBZ	Unnamed tributary Butter Creek, 1 mi WSW Albion, Edwards County, Illinois, T2S, R10E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 2 (Albion S Quad)	08/05/77	Dry
CBBZ-10	Unnamed tributary Butter Creek, 3.2 mi SW Albion, Edwards County, Illinois, T2S, R10E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 16 (Albion S Quad)	08/16/77	Semi-Polluted
CBBZ-11	Unnamed tributary Butter Creek, 2.9 mi SW Albion, downstream bridge, Edwards County, Illinois, T2S, R10E, NW $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 16 (Albion S Quad)	08/15/77	Semi-Polluted
CBBZ-12	Unnamed tributary Butter Creek, 1.3 mi SW Albion, 350 yds downstream Albion wastewater treatment plant outfall, Edwards County, Illinois, T2S, R10E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 10 (Albion S Quad)	08/15/77	Semi-Polluted
CBC	Harper Creek, 3.5 mi S Albion, downstream bridge, Edwards County, Illinois, T2S, R10E, NW $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 26 (Albion S Quad)	08/16/77	Dry
CBC-10	Harper Creek, 4.9 mi SSW Albion, downstream bridge, Edwards County, Illinois, T2S, R10E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 28 (Albion S Quad)	08/16/77	Semi-Polluted
CC	Unnamed tributary Pond Creek Drainage Ditch, 3 mi N Burnt Prairie, Wayne County, Illinois, T2S, R9E, NW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 31 (Fairfield Quad)	08/05/77	Dry
CC	Pond Creek Drainage Ditch, 3.3 mi SSW Golden Gate, Wayne County, Illinois, T2S, R9E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 32 (Golden Gate Quad)	08/05/77	No Access
CC	Pond Creek Drainage Ditch, 7.6 mi SE Fairfield, Wayne County, Illinois, T2S, R9E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 30 (Fairfield Quad)	07/20/77	No Access
CC-10	Pond Creek Drainage Ditch, 4.0 mi SW Golden Gate, Wayne County, Illinois, T2S, R9E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 30 (Fairfield Quad)	08/04/77	Semi-Polluted
CC-11	Pond Creek, 3.6 mi SE Fairfield, Wayne County, Illinois, T2S, R8E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 15 (Fairfield Quad)	07/20/77	Semi-Polluted

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
CC-12	Pond Creek, 2.7 mi ESE Fairfield, downstream bridge, Wayne County, Illinois, T2S, R8E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 10 (Fairfield Quad)	07/20/77	Unbalanced
CCA-11	Johnson Creek, 2.3 mi SE Fairfield, downstream bridge, Wayne County, Illinois, T2S, R8E, SW $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 9 (Fairfield Quad)	07/20/77	Polluted
CCA-12	Johnson Creek, in SE Fairfield, 150 yd downstream Fairfield wastewater treatment plant outfall, Wayne County, Illinois, T2S, R8E, SE $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 5 (Fairfield Quad)	07/20/77	Polluted
CCA-13	Johnson Creek, 1 mi SE Fairfield, downstream bridge, Wayne County, Illinois, T2S, R8E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 5 (Fairfield Quad)	07/20/77	Semi-Polluted
CCZ-10	Unnamed tributary Pond Creek Drainage Ditch, 5.5 mi SSW Golden Gate, Wayne County, Illinois, T2S, R9E, SW $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 31 (Fairfield Quad)	09/16/77	Unbalanced
CD-01	Elm River Drainage Ditch, 5.3 mi S Mt. Erie, Wayne County, Illinois, T1S, R9E, SW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 18 (Fairfield Quad)	07/27/77	Semi-Polluted
CD-11	Elm River Drainage Ditch, 4.3 mi NNW Golden Gate, Wayne County, Illinois, T1S, R9E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 20 (Albion NW Quad)	08/04/77	Unbalanced
CD-12	Elm River Drainage Ditch, 3.8 mi WSW Mt. Erie, Wayne County, Illinois, T1N, R8E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 27 (Fairfield Quad)	07/28/77	Semi-Polluted
CD-13	Elm River, 5.0 mi ENE Cisne, Wayne County, Illinois, T1N, R8E, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 8 (Flora Quad)	07/28/77	Semi-Polluted
CD-14	Elm River, 5.8 mi NNE Cisne, Wayne County, Illinois, T2N, R7E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 23 (Flora Quad)	07/19/77	Semi-Polluted
CD-15	Elm River, 5.9 mi SE Flora, Clay County, Illinois, T2N, R7E, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 15 (Flora Quad)	07/10/77	Semi-Polluted
CD-16	Elm River, 5.1 mi SE Flora, Clay County, Illinois, T2N, R7E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 10 (Flora Quad)	07/10/77	Semi-Polluted
CD-17	Elm River, 3.8 mi E Flora, Clay County, Illinois, T3N, R7E, SE $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 34 (Flora Quad)	07/09/77	Unbalanced
CDA-10A CDA-10B	Bailey Creek, 5.2 mi NE Fairfield, Wayne County, Illinois, T1S, R8E, NW $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 23 (Fairfield Quad)	07/27/77 09/16/77	Semi-Polluted Semi-Polluted
CDB-10	Deer Creek, 3.8 mi NE Geff, Wayne County, Illinois, T1N, R8E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 31 (Fairfield Quad)	07/22/77	Semi-Polluted
CDB-11	Deer Creek, 1.6 mi SSW Cisne, Wayne County, Illinois, T1N, R7E, NW $\frac{1}{4}$, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 29 (Fairfield Quad)	07/21/77	Semi-Polluted
CDBA-10	Martin Creek, 3.3 mi ENE Geff, Wayne County, Illinois, T1S, R8E, NW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 5 (Fairfield Quad)	07/22/77	Unbalanced

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
CDBA-11	Martin Creek, 1.7 mi S Geff, Wayne County, Illinois, T1S, R7E, SW $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 23 (Fairfield Quad)	07/22/77	Semi-Polluted
CDBZ-10	Unnamed tributary Deer Creek, 1.0 mi S Cisne, downstream bridge, Wayne County, Illinois, T1N, R7E, NE $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 28 (Flora Quad)	07/21/77	Unbalanced
CDBZ-11	Unnamed tributary Deer Creek, 0.7 mi S Cisne, 150 yd downstream Cisne wastewater treatment plant outfall, Wayne County, Illinois, T1N, R7E, NE $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 21 (Flora Quad)	07/22/77	Semi-Polluted
CDBZ-12	Unnamed tributary Deer Creek, 1.0 mi S Cisne, Wayne County, Illinois, T1N, R7E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 21 (Flora Quad)	07/22/77	Unbalanced
CDC-10	Emmons Creek, 2.1 mi WSW Mt. Erie, Wayne County, Illinois, T1N, R8E, NE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 24 (Fairfield Quad)	07/28/77	Unbalanced
CDD-10	Endsley Creek, 3.7 mi NNE Cisne, Wayne County, Illinois, T2N, R7E, NW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 35 (Flora Quad)	07/19/77	Semi-Polluted
CDDZ-10	Unnamed tributary Endsley Creek, 2.8 mi ENE Cisne, Wayne County, Illinois, T1N, R7E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 11 (Flora Quad)	07/20/77	Unbalanced
CDF-10	Raccoon Creek, 5.6 mi N Cisne, Wayne County, Illinois, T2N, R7E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 20 (Flora Quad)	07/19/77	Unbalanced
CDF-11	Raccoon Creek, 3.4 mi S Flora, Clay County, Illinois, T2N, R6E, NE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 11 (Flora Quad)	07/10/77	Unbalanced
CDF-12	Raccoon Creek, 3.5 mi WSW Flora, Clay County, Illinois, T3N, R6E, SW $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 32 (Xenia NE Quad)	07/11/77	Unbalanced
CDFA-10	Camel Creek, 4.9 mi NNW Cisne, downstream bridge, Wayne County, Illinois, T2N, R7E, NE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 30 (Flora Quad)	07/19/77	Semi-Polluted
CDFB-10	Bear Creek, 4.5 mi S Flora, Wayne County, Illinois, T2N, R6E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 23 (Flora Quad)	07/19/77	Unbalanced
CDFBA-10	Willow Branch, 6 mi N Johnsonville, 10 yd downstream bridge, Wayne County, Illinois, T2N, R6E, NE $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 23 (Johnsonville Quad)	07/27/77	Unbalanced
CDFZ-10	Unnamed tributary Raccoon Creek, 2.8 mi W Flora, North end Charlie Brown Park Lake, Clay County, Illinois, T3N, R6E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 28 (Xenia NE Quad)	07/10/77	Unbalanced
CDG-10	Seminary Creek, 5.0 mi SE Flora, Clay County, Illinois, T2N, R7E, SE $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 16 (Flora Quad)	07/10/77	Unbalanced
CDG-11	Seminary Creek, 1.3 mi SSE Flora, 200 yd downstream Flora wastewater treatment plant outfall, Clay County, Illinois, T3N, R6E, SW $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 36 (Flora Quad)	07/10/77	Polluted

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CDG-12	Seminary Creek, in S Flora, downstream bridge, Clay County, Illinois, T3N, R6E, SW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 36 (Flora Quad)	07/10/77	Semi-Polluted
CDH-10	Lick Creek, 3.9 mi S Mt. Erie, Wayne County, Illinois, T1S, R9E, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 5 (Albion NW Quad)	08/04/77	Semi-Polluted
CDZ-10	Unnamed tributary Elm River, 4.0 mi SSW Mt. Erie, Wayne County, Illinois, T1S, R9E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 6 (Fairfield Quad)	08/04/77	Unbalanced
CDZ-11	Unnamed tributary Elm River, 5.3 mi W Mt. Erie, Wayne County, Illinois, T1N, R8E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 9 (Flora Quad)	07/28/77	Semi-Polluted
CDZ-12	Unnamed tributary Elm River, 6.1 mi NE Cisne, Wayne County, Illinois, T2N, R8E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 30 (Flora Quad)	07/21/77	Semi-Polluted
CE	Village Creek, 2.6 mi N Albion, Edwards County, Illinois, T1S, R10E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 23 (Albion N Quad)	07/29/77	Dry
CE-10	Village Creek, 4.5 mi NNE Golden Gate, Wayne County, Illinois, T1S, R9E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 24 (Albion NW Quad)	08/04/77	Semi-Polluted
CE-11	Village Creek, 4.7 mi NW Albion, Edwards County, Illinois, T1S, R10E, NW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 16 (Albion N Quad)	08/03/77	Semi-Polluted
CEA	West Village Creek, 4.2 mi NW Bone Gap, Edwards County, Illinois, T1N, R10E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 26 (Albion N Quad)	07/29/77	Dry
CEA-10	West Village Creek, 5.5 mi NW Albion, Edwards County, Illinois, T1S, R10E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 8 (Albion N Quad)	08/03/77	Semi-Polluted
CEA-11	West Village Creek, 5.3 mi W Bone Gap, Edwards County, Illinois, T1S, R10E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 9 (Albion N Quad)	08/03/77	Semi-Polluted
CEZ	Unnamed tributary Village Creek, 3.0 NNW Albion, downstream bridge, Edwards County, Illinois, T1S, R10E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 22 (Albion N Quad)	08/03/77	Dry
CF-10	Clear Pond Ditch, 3.6 mi E Mt. Erie, 35 yd downstream bridge, Wayne County, Illinois, T1N, R9E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 13 (Mt. Erie Quad)	07/21/77	Semi-Polluted
CFA-10	West Side Diversion Branch, 2.8 mi E Mt. Erie, 35 yd downstream bridge, Wayne County, Illinois, T1N, R9E, NE $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 14 (Mt. Erie Quad)	07/21/77	Semi-Polluted
CFAA-10	Gum Branch, 2.6 mi ESE Mt. Erie, Wayne County, Illinois, T1N, R9E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 22 (Mt. Erie Quad)	07/21/77	Semi-Polluted
CFAB-10	Newton Branch, 0.6 mi NE Mt. Erie, Wayne County, Illinois, T1N, R9E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 17 (Mt. Erie Quad)	07/28/77	Unbalanced
CFAB-11	Newton Branch, 0.3 mi E Mt. Erie, Wayne County, Illinois, T1N, R9E, NE $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 17 (Mt. Erie Quad)	07/28/77	Semi-Polluted

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
CG-10	Sugar Creek, 6.0 mi E Mt. Erie, downstream bridge, Edwards County, Illinois, T1N, R10E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 17 (West Salem Quad)	08/04/77	Semi-Polluted
CG-11	Sugar Creek, 3.9 mi SW Parkersburg, Edwards County, Illinois, T1N, R10E, SW $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 4 (West Salem Quad)	08/02/77	Unbalanced
CG-12	Sugar Creek, 2.9 mi SW Parkersburg, downstream bridge, Edwards County, Illinois, T2N, R10E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 33 (West Salem Quad)	08/02/77	Semi-Polluted
CG-13	Sugar Creek, 1.6 mi SW Parkersburg, downstream bridge, Richland County, Illinois, T2N, R10E, NE $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 27 (Olney Quad)	07/12/77	Unbalanced
CGA-10	Madden Creek, 3.1 mi SSW Parkersburg, 20 yd downstream bridge, Edwards County, Illinois, T1N, R10E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 3 (West Salem Quad)	07/29/77	Unbalanced
CGAA	Johnson Creek, 1.8 mi S Parkersburg, Edwards County, Illinois, T2N, R10E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 35 (West Salem Quad)	07/29/77	Dry
CGAB-10	Parker Creek, 2.3 mi SSW Parkersburg, downstream bridge, Edwards County, Illinois, T2N, R10E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 34 (West Salem Quad)	08/02/77	Semi-Polluted
CGAB-11	Parker Creek, 0.6 mi SSW Parkersburg, Richland County, Illinois, T2N, R10E, SW $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 26 (West Salem Quad)	07/12/77	Unbalanced
CGAZ	Unnamed tributary Madden Creek, 3.2 mi WNW West Salem, Edwards County, Illinois, T1N, R10E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 1 (West Salem Quad)	08/02/77	Dry
CGB-10	Shelby Creek, 4.1 mi SSW Parkersburg, 10 yd downstream, Edwards County, Illinois, T1N, R10E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 9 (West Salem Quad)	07/29/77	Unbalanced
CGZ-10	Unnamed tributary Sugar Creek, 6.0 mi E Mt. Erie, 30 yd downstream bridge, Edwards County, Illinois, T1N, R10E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 8 (West Salem Quad)	07/29/77	Semi-Polluted
CGZ-11	Unnamed tributary Sugar Creek, 4.0 mi SW Parkersburg, downstream bridge, Edwards County, Illinois, T2N, R10E, NW $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 32 (West Salem Quad)	08/02/77	Semi-Polluted
CH-03	Fox River, 1.5 mi W Olney, downstream bridge, Richland County, Illinois, T4N, R10E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 32 (Olney Quad)	07/13/77	Unbalanced
CH-13	Fox River, 4.0 mi N Olney, downstream bridge, Richland County, Illinois, T4N, R10E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 16 (Newton Quad)	07/13/77	Unbalanced
CH-14	Fox River, 4.2 mi NNW Olney, Richland County, Illinois, T4N, R10E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 9 (Newton Quad)	10/12/77	Unbalanced

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
CH-15	Fox River, 7.4 mi SW St. Marie, Jasper County, Illinois, T5N, R10E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 20 (Newton Quad)	07/13/77	Unbalanced
CH-16	Fox River, 6.7 mi SW St. Marie, Jasper County, Illinois, T5N, R10E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 16 (Newton Quad)	10/12/77	Semi-Polluted
CHB-10	Turkey Creek, 5.6 mi W Calhoun, Richland County, Illinois, T3N, R10E, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 31 (Olney Quad)	07/12/77	Unbalanced
CHD-10	Sugar Creek, 4.0 mi E Noble, Richland County, Illinois, T3N, R9E, NW $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 24 (Olney Quad)	07/12/77	Semi-Polluted
CHDZ-10	Unnamed tributary Sugar Creek, 3.3 mi E Noble, Richland County, Illinois, T3N, R9E, NE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 13 (Olney Quad)	07/12/77	Dry
CHE-10	Little Fox Creek, 3.3 mi WNW Calhoun, downstream bridge, Richland County, Illinois, T3N, R10E, SE $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 28 (Olney Quad)	07/12/77	Semi-Polluted
CHE-11	Little Fox Creek, 3.2 mi WNW Calhoun, Richland County, Illinois, T3N, R10E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 28 (Olney Quad)	10/11/77	Unbalanced
CHEA-10	Big Creek, 3.6 mi SSW Olney, Richland County, Illinois, T3N, R10E, SW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 21 (Olney Quad)	07/12/77	Unbalanced
CHEA-11	Big Creek, 2.8 mi SSE Olney, Richland County, Illinois, T3N, R10E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 14 (Olney Quad)	07/12/77	Semi-Polluted
CHEAZ-10	Unnamed tributary Big Creek, 2.0 mi S Olney, downstream AMF effluent, Richland County, Illinois, T3N, R10E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 10 (Olney Quad)	07/13/77	Polluted
CHEAZ-11	Unnamed tributary Big Creek, 1.3 mi SE Olney, Richland County, Illinois, T3N, R10E, SW $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 2 (Olney Quad)	07/14/77	Semi-Polluted
CHEAZ-12	Unnamed tributary Big Creek, E side of Olney, downstream bridge, Richland County, Illinois, T3N, R10E, NW $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 2 (Olney Quad)	07/14/77	Unbalanced
CHH-10	Long Branch, 5.0 mi N Olney, downstream bridge, Richland County, Illinois, T4N, R10E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 9 (Newton Quad)	10/12/77	Unbalanced
CHH-11	Long Branch, 5.1 mi N Olney, Richland County, Illinois, T4N, R10E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 3 (Newton Quad)	07/13/77	Semi-Polluted
CHZ	Unnamed tributary Fox River, 4.8 mi WSW Parker, Edwards County, Illinois, T2N, R10E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 31 (Mt. Erie Quad)	08/02/77	Dry
CHZ-10	Unnamed tributary Fox River, 1.5 mi SW Olney, 0.25 mi downstream Olney wastewater treatment plant outfall, downstream bridge, Richland County, Illinois, T3N, R10E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 4 (Olney Quad)	07/14/77	Polluted

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
CHZ-11	Unnamed tributary Fox River, in SW Olney, downstream bridge, Richland County, Illinois, T3N, R10E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 4 (Olney Quad)	07/14/77	Semi-Polluted
CI-10	Hog Run Creek, 5.75 mi S Noble, downstream bridge, Richland County, Illinois, T2N, R9E, NW $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 7 (Olney Quad)	07/13/77	Dry
CJ-04	Big Muddy Creek, 3.8 mi E Clay City, Clay County, Illinois, T3N, R8E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 14 (Flora Quad)	07/11/77	Semi-Polluted
CJ-14	Big Muddy Creek, 2.3 mi NE Sailor Springs, Clay County, Illinois, T4N, R8E, NE $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 16 (Sailor Springs Quad)	07/11/77	Unbalanced
CJ-15	Big Muddy Creek, 5 mi N Sailor Springs, downstream bridge, Clay County, Illinois, T5N, R8E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 31 (Sailor Springs Quad)	07/08/77	Unbalanced
CJ-16	Big Muddy Creek, 6.7 mi N Sailor Springs, downstream bridge, Jasper County, Illinois, T5N, R8E, SE $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 20 (Sailor Springs Quad)	07/06/77	Unbalanced
CJ-17	Big Muddy Creek, 8.5 mi S Wheeler, Jasper County, Illinois, T6N, R8E, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 29 (Sailor Springs Quad)	07/06/77	Semi-Polluted
CJ-18	Big Muddy Creek, 4.4 mi S Wheeler, Jasper County, Illinois, T6N, R8E, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 4 (Sailor Springs Quad)	07/05/77	Unbalanced
CJ-19	Big Muddy Creek, 2.6 mi SW Wheeler, Jasper County, Illinois, T7N, R8E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 29 (Teutopolis Quad)	06/30/77	Unbalanced
CJA-10	Little Muddy Creek, 2.2 mi ENE Clay City, Clay County, Illinois, T3N, R8E, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 9 (Flora Quad)	07/11/77	Unbalanced
CJA-11	Little Muddy Creek, 1.9 mi WNW Sailor Springs, downstream bridge, Clay County, Illinois, T4N, R7E, NE $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 23 (Sailor Springs Quad)	07/09/77	Unbalanced
CJA-12	Little Muddy Creek, 3 mi NW Sailor Springs, Clay County, Illinois, T4N, R7E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 11 (Sailor Springs Quad)	07/09/77	Semi-Polluted
CJA-13	Little Muddy Creek, 6.5 mi NE Louisville, Clay County, Illinois, T5N, R7E, SE $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 28 (Sailor Springs Quad)	07/08/77	Semi-Polluted
CJB-10A CJB-10B	Sugar Creek, 5.5 mi NNW Noble, Richland County, Illinois, T4N, R9E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 17 (Newton Quad)	07/13/77 10/12/77	Semi-Polluted Semi-Polluted
CJC-10	Hurricane Creek, 4.7 mi E Sailor Springs, Clay County, Illinois, T4N, R8E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 25 (Sailor Springs Quad)	07/13/77	Semi-Polluted
CJC-11	Hurricane Creek, 4.5 mi N Noble, Richland County, Illinois, T5N, R9E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 28 (Newton Quad)	07/13/77	Unbalanced
CJD-10	Wet Weather Creek, 3.5 mi ENE Sailor Springs, downstream bridge, Clay County, Illinois, T4N, R8E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 15 (Sailor Springs Quad)	07/11/77	Unbalanced

STATION NUMBER	LOCATION	SAMPLING DATE	STRIPAM CLASSIFICATION
CJDA-10	East Fork Wet Weather Creek, 9.7 mi SSW Newton, downstream bridge, Jasper County, Illinois, T5N, R9E, NW $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 20 (Newton Quad)	07/06/77	Unbalanced
CJDB-10	West Fork Wet Weather Creek, 8.3 mi NE Sailor Springs, downstream bridge, Jasper County, Illinois, T5N, R8E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 24 (Sailor Springs Quad)	07/06/77	Unbalanced
CJE-10	Weather Creek, 2.6 mi NNE Sailor Springs, Clay County, Illinois, T4N, R8E, SE $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 8 (Sailor Springs Quad)	07/11/77	Unbalanced
CJE-11	Weather Creek, 7.3 mi NNE Sailor Springs, downstream bridge, Jasper County, Illinois, T5N, R8E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 22 (Sailor Springs Quad)	07/06/77	Unbalanced
CJEA-10	Wolf Creek, 7.5 mi NNE Sailor Springs, downstream bridge, Jasper County, Illinois, T5N, R8E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 23 (Sailor Springs Quad)	07/06/77	Unbalanced
CJEB-10	Laws Creek, 4.8 mi WSW Newton, downstream bridge, Jasper County, Illinois, T6N, R9E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 17 (Newton Quad)	07/05/77	Semi-Polluted
CJEC-10	Central Illinois Power Service Lake, 9.7 mi N Sailor Springs, Jasper County, Illinois, T5N, R8E, SW $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 3 (Sailor Springs Quad)	07/05/77	Unbalanced
CJEC-11	Sandy Creek, 6.0 mi S Wheeler, Jasper County, Illinois, T6N, R8E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 15 (Sailor Springs Quad)	07/05/77	Semi-Polluted
CK	Panther Creek, 6.8 mi N Louisville, Clay County, Illinois, T5N, R6E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 14 (Sailor Springs Quad)	07/08/77	Dry
CK-10	Panther Creek, 2.2 mi NE Louisville, downstream bridge, Clay County, Illinois, T4N, R6E, NW $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 13 (Sailor Springs Quad)	07/09/77	Unbalanced
CKZ	Unnamed tributary Panther Creek, 3.2 mi NE Louisville, Clay County, Illinois, T4N, R7E, SW $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 7 (Sailor Springs Quad)	07/09/77	Dry
CM-01	Dismal Creek, 3.5 mi ESE Iola, downstream bridge, Clay County, Illinois, T4N, R6E, NW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 5 (Edgewood Quad)	07/08/77	Unbalanced
CM-11	Dismal Creek, 2.1 mi N Iola, downstream bridge, Clay County, Illinois, T5N, R5E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 14 (Edgewood Quad)	07/07/77	Unbalanced
CM-12	Dismal Creek, 4.8 mi NW Iola, Clay County, Illinois, T5N, R5E, NE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 7 (Edgewood Quad)	07/07/77	Unbalanced
CN-10	Lucas Creek, 5.1 mi ENE Iola, downstream bridge, Clay County, Illinois, T5N, R6E, NW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 21 (Edgewood Quad)	07/08/77	Unbalanced
CN-11	Lucas Creek, 7.5 mi ESE Mason, Effingham County, Illinois, T6N, R6E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 25 (Sailor Springs Quad)	07/01/77	Semi-Polluted

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
CO-10	Bishop Creek, 4.2 mi SE Watson, Effingham County, Illinois, T6N, R6E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 9 (Edgewood Quad)	07/01/77	Semi-Polluted
CO-11	Bishop Creek, 4.4 mi E Watson, downstream bridge, Effingham County, Illinois, T7N, R6E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 26 (Teutopolis Quad)	07/23/77	Semi-Polluted
CO-12	Bishop Creek, 3.4 mi W Dieterich, Effingham County, Illinois, T7N, R7E, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 8 (Teutopolis Quad)	06/30/77	Semi-Polluted
COA-10	Ramsey Creek, 6.5 mi E Mason, Effingham County, Illinois, T6N, R6E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 23 (Edgewood Quad)	07/01/77	Semi-Polluted
COA-11	Ramsey Creek, 7.5 mi SE Watson, downstream bridge, Effingham County, Illinois, T6N, R7E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 18 (Sailor Springs Quad)	06/30/77	Semi-Polluted
COB-10	Little Bishop Creek, 6.7 mi ESE Watson, Effingham County, Illinois, T6N, R7E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 6 (Sailor Springs Quad)	06/30/77	Semi-Polluted
COC	Dieterich Creek, 3.8 mi SW Dieterich, Effingham County, Illinois, T7N, R7E, SW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 28 (Teutopolis Quad)	06/30/77	Dry
COZ-10	Unnamed tributary Bishop Creek, 5.4 mi E Mason, downstream Walter Scott Camp wastewater lagoon, Effingham County, Illinois, T6N, R6E, NW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 15 (Edgewood Quad)	06/30/77	Dry
CP-01	Salt Creek, 3.0 mi SE Watson, Effingham County, Illinois, T6N, R6E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 4 (Edgewood Quad)	07/01/77	Unbalanced
CP-11	Salt Creek, 2.6 mi E Watson, Effingham County, Illinois, T7N, R6E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 27 (Effingham Quad)	06/27/77	Unbalanced
CP-12	Salt Creek, 2.7 mi NE Watson, downstream bridge, Effingham County, Illinois, T7N, R6E, NW $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 21 (Effingham Quad)	06/27/77	Semi-Polluted
CP-13	Salt Creek, 4.1 mi SSE Effingham, downstream bridge, Effingham County, Illinois, T7N, R6E, NW $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 10 (Effingham Quad)	06/23/77	Semi-Polluted
CP-14	Salt Creek, in SE Effingham, Effingham County, Illinois, T8N, R6E, SE $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 28 (Effingham Quad)	06/23/77	Unbalanced
CPA-10	Little Salt Creek, 3.6 mi ENE Watson, Effingham County, Illinois, T7N, R6E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 22 (Effingham Quad)	06/23/77	Semi-Polluted
CPA-11	Little Salt Creek, 3.0 mi SE Teutopolis, Effingham County, Illinois, T8N, R7E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 28 (Teutopolis Quad)	06/30/77	Semi-Polluted
CPC-10	First Salt Creek, in N Teutopolis, 200 yd downstream Teutopolis wastewater treatment plant outfall, Effingham County, Illinois, T8N, R6E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 13 (Teutopolis Quad)	06/24/77	Semi-Polluted

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
CPC-11	First Salt Creek, in N Teutopolis, 60 yd upstream Teutopolis wastewater treatment plant outfall, Effingham County, Illinois, T8N, R6E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 13 (Teutopolis Quad)	06/24/77	Unbalanced
CPD-10	Second Salt Creek, 1.1 mi NW Teutopolis, downstream bridge, Effingham County, Illinois, T8N, R6E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 14 (Teutopolis Quad)	06/30/77	Semi-Polluted
CPZ	Unnamed tributary Salt Creek, 1.9 mi N Effingham, Effingham County, Illinois, T8N, R6E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 16 (Effingham Quad)	06/24/77	Dry
CPZ-10	Unnamed tributary Salt Creek, 2.4 mi SE Watson, downstream bridge, Effingham County, Illinois, T6N, R6E, NE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 5 (Edgewood Quad)	06/27/77	Semi-Polluted
CPZ-11	Unnamed tributary Salt Creek, in SE Effingham, 200 yd downstream Effingham wastewater treatment plant outfall, Effingham County, Illinois, T8N, R6E, NE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 28 (Effingham Quad)	06/23/77	Polluted
CPZ-12	Unnamed tributary Salt Creek, in SE Effingham, 70 yd upstream Effingham wastewater treatment plant outfall, Effingham County, Illinois, T8N, R6E, SW $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 28 (Effingham Quad)	06/23/77	Polluted
CPZ-13	Unnamed tributary Salt Creek, 1.1 mi NNE Effingham, Effingham County, Illinois, T8N, R6E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 16 (Effingham Quad)	06/24/77	Semi-Polluted
CPZZ	Unnamed tributary of unnamed tributary Salt Creek, in S Watson, Watson wastewater treatment plant outfall, Effingham County, Illinois, T7N, R6E, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 30 (Effingham Quad)	06/27/77	Dry
CQ-10	Fulfer Creek, 3.0 mi N Mason, downstream bridge, Effingham County, Illinois, T6N, R5E, NE $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 3 (Edgewood Quad)	06/29/77	Semi-Polluted
CQ-11	Fulfer Creek, 4.0 mi WNW Mason, Effingham County, Illinois, T6N, R4E, NE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 12 (Edgewood Quad)	06/29/77	Semi-Polluted
CQ-12	Fulfer Creek, 5.6 mi NW Edgewood, downstream bridge, Effingham County, Illinois, T6N, R4E, NW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 15 (Edgewood Quad)	06/29/77	Unbalanced
CR-10	Big Creek, 3.4 mi WSW Watson, Effingham County, Illinois, T7N, R5E, NW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 34 (Effingham Quad)	06/29/77	Semi-Polluted
CR-11	Big Creek, 4.4 mi ESE Altamont, Effingham County, Illinois, T7N, R5E, SE $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 30 (Effingham Quad)	06/28/77	Semi-Polluted
CR-12	Big Creek, 2.9 mi SE Altamont, Effingham County, Illinois, T7N, R4E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 26 (Effingham Quad)	06/28/77	Semi-Polluted
CR-13	Big Creek, 1.8 mi S Altamont, Effingham County, Illinois, T7N, R4E, NE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 21 (Effingham Quad)	06/28/77	Unbalanced

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
CRB	Coon Creek, in N Altamont, Effingham County, Illinois, T7N, R4E, NE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 9 (Effingham Quad)	06/28/77	Dry
CRB-10	Coon Creek, 1.0 mi E Altamont, Effingham County, Illinois, T7N, R4E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 11 (Effingham Quad)	06/28/77	Semi-Polluted
CRZ-10	Unnamed tributary Big Creek, in S Altamont, 200 yd downstream Altamont S wastewater treatment plant outfall, Effingham County, Illinois, T7N, R4E, NW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 15 (Effingham Quad)	06/28/77	Polluted
CRZ-11	Unnamed tributary Big Creek, in S Altamont, 20 yd upstream Altamont S wastewater treatment plant outfall, Effingham County, Illinois, T7N, R4E, SW $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 15 (Effingham Quad)	06/28/77	Semi-Polluted
CRZ	Unnamed tributary Big Creek, 1 mi S Altamont, 200 yd downstream Altamont S wastewater treatment lagoon, Effingham County, Illinois, T7N, R4E, NE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 15 (Effingham Quad)	06/29/77	No Access
CS-10	Green Creek, 2.6 mi NW Effingham, Effingham County, Illinois, T8N, R5E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 13 (Effingham Quad)	06/23/77	Unbalanced
CS-11	Green Creek, 6.4 mi N Effingham, downstream bridge, Effingham County, Illinois, T9N, R6E, NE $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 21 (Effingham Quad)	06/22/77	Unbalanced
CSC	Henry Creek, 6.5 mi N Effingham, downstream bridge, Effingham County, Illinois, T9N, R6E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 22 (Effingham Quad)	06/22/77	Dry
CSCZ	Unnamed tributary Henry Creek, 0.8 mi WSW Sigel, 0.25 mi downstream Sigel wastewater treatment lagoon, Shelby County, Illinois, T9N, R6E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 14 (Effingham Quad)	06/22/77	Dry
CSCZ	Unnamed tributary Henry Creek, N side Sigel, upstream Sigel wastewater treatment lagoon, Shelby County, Illinois, T9N, R6E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 14 (Teutopolis Quad)	06/22/77	Dry
CT-10	West Branch Little Wabash River, 4.7 mi SE Strasburg, Shelby County, Illinois, T10N, R6E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 9 (Stewardson Quad)	06/22/77	Balanced
CT-11	West Branch Little Wabash River, 3.2 mi E Strasburg, Shelby County, Illinois, T11N, R6E, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 32 (Stewardson Quad)	06/22/77	Unbalanced
CT-12	West Branch Little Wabash River, 3.8 mi SSE Windsor, Shelby County, Illinois, T11N, R6E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 18 (Stewardson Quad)	06/22/77	Unbalanced
CTA	Drake Creek, 4.2 mi ESE Strasburg, Shelby County, Illinois, T10N, R6E, SW $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 4 (Stewardson Quad)	06/22/77	Dry
CTB-10	Brush Creek, 3.3 mi ESE Strasburg, Shelby County, Illinois, T10N, R6E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 7 (Stewardson Quad)	06/22/77	Unbalanced

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
CTBZ	Unnamed tributary Brush Creek, 3.0 mi N Stewardson, Shelby County, Illinois, T10N, R5E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 23 (Stewardson Quad)	06/24/77	Dry
CTC-10	Sexson Branch, 5.0 mi ENE Strasburg, Shelby County, Illinois, T11N, R6E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 21 (Stewardson Quad)	06/21/77	Unbalanced
CU-10	Brush Creek, 3.2 mi NNE Neoga, downstream bridge, Cumberland County, Illinois, T11N, R7E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 33 (Mattoon Quad)	06/21/77	Unbalanced
CUA-10	Brush Creek, 7.6 mi SSW Mattoon, Coles County, Illinois, T11N, R7E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 21 (Mattoon Quad)	06/21/77	Unbalanced
CZ	Unnamed tributary Little Wabash River, 5.5 mi NW New Haven, downstream bridge, White County, Illinois, T6S, R9E, SW $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 26 (New Haven Quad)	08/10/77	Dry
CZ	Unnamed tributary Little Wabash River, 1.2 mi S Epworth, White County, Illinois, T5S, R10E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 33 (Carmi Quad)	08/10/77	Dry
CZ	Unnamed tributary Little Wabash River, 2.5 mi SW Carmi, White County, Illinois, T5S, R9E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 22 (Carmi Quad)	08/10/77	Dry
CZ	Unnamed tributary Little Wabash River, 0.4 mi S Crossville, White County, Illinois, T4S, R10E, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 23 (Carmi Quad)	08/11/77	Dry
CZ	Unnamed tributary Little Wabash River, in N Edgewood at I-57, Effingham County, Illinois, T6N, R5E, NW $\frac{1}{4}$, Sec. 32 (Edgewood Quad)	07/07/77	Dry
CZ-10	Unnamed tributary Little Wabash River, 1.9 mi NW Crossville, downstream bridge, White County, Illinois, T4S, R10E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 15 (Carmi Quad)	08/11/77	Semi-Polluted
CZ-11	Unnamed tributary Little Wabash River, 1.1 mi NW Crossville, White County, Illinois, T4S, R10E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 15 (Carmi Quad)	08/11/77	Semi-Polluted
CZ-12	Unnamed tributary Little Wabash River, 0.5 mi NW Crossville, 160 yd downstream Crossville wastewater treatment plant outfall, White County, Illinois, T4S, R10E, SW $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 23 (Carmi Quad)	08/11/77	Polluted
CZ-13	Unnamed tributary Little Wabash River, 6.6 mi ESE Mt. Erie, Edwards County, Illinois, T1N, R10E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 32 (Albion N Quad)	08/03/77	Unbalanced
CZ-14	Unnamed tributary Little Wabash River, 5.4 mi E Mt. Erie, 10 yd downstream bridge, Edwards County, Illinois, T1N, R10E, NW $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 18 (Mt. Erie Quad)	08/04/77	Semi-Polluted

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
CZ-15	Unnamed tributary Little Wabash River, 4.5 mi NNE Iola, Clay County, Illinois, T5N, R5E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 12 (Edgewood Quad)	07/08/77	Semi-Polluted
CZA	Lick Creek, 4.1 mi ENE Norris City, downstream bridge, White County, Illinois, T6S, R9E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 18 (Enfield Quad)	08/10/77	Dry
CZA-10	Lick Creek, 6.9 mi NW New Haven, 10 yd downstream bridge, White County, Illinois, T6S, R9E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 22 (New Haven Quad)	08/10/77	Semi-Polluted
CZA-11	Lick Creek, 5.1 mi ENE Norris City, 10 yd downstream bridge, White County, Illinois, T6S, R9E, SW $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 17 (New Haven Quad)	08/10/77	Semi-Polluted
CZB-10	Grindstone Creek, 7.1 mi ENE Norris City, White County, Illinois, T6S, R9E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 9 (Carmi Quad)	08/10/77	Semi-Polluted
CZBZ	Unnamed tributary Grindstone Creek, 5.4 mi WSW Carmi, White County, Illinois, T5S, R9E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 31 (Carmi Quad)	08/10/77	Dry
CZBZ	Unnamed tributary Grindstone Creek, 4.5 mi SW Carmi, White County, Illinois, T6S, R9E, NW $\frac{1}{4}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 4 (Carmi Quad)	08/09/77	Dry
CZC	Flanders Creek, 3.4 mi SW Carmi, downstream bridge, White County, Illinois, T5S, R9E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 28 (Carmi Quad)	08/09/77	Dry
CZD	Big Hill Branch, 1.1 mi NNW Carmi, downstream bridge, White County, Illinois, T5S, R9E, SW $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 12 (Carmi Quad)	08/10/77	Dry
CZE	Eaton Mill Branch, 1.5 mi NNW Carmi, downstream bridge, White County, Illinois, T5S, R9E, SW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 12 (Carmi Quad)	08/10/77	Dry
CZF-10	McHenry Slough, 3.7 mi ENE Carmi, downstream bridge, White County, Illinois, T5S, R10E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 4 (Carmi Quad)	08/11/77	Unbalanced
CZG-10	Crooked Creek, 2.2 mi NW Louisville, Clay County, Illinois, T4N, R6E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 16 (Edgewood Quad)	07/09/77	Unbalanced
CZG-11	Crooked Creek, 1.5 mi SSW Iola, Clay County, Illinois, T4N, R5E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 3 (Edgewood Quad)	07/07/77	Unbalanced
CZH	Stinking Creek, 4.9 mi WNW Grayville, downstream bridge, Edwards County, Illinois, T3S, R10E, NE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 3 (Albion S Quad)	08/05/77	Dry
CZH-10	Stinking Creek, 6.2 mi WNW Grayville, 10 yd downstream bridge, Edwards County, Illinois, T3S, R10E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 16 (Albion S Quad)	08/05/77	Semi-Polluted
CZJ-10	White Oak Slough, 0.9 mi N Golden Gate, Wayne County, Illinois, T2S, R9E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 3 (Golden Gate Quad)	08/03/77	Unbalanced

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
CZK-10	Owens Creek, 4.7 mi ENE Fairfield, 50 yd downstream bridge, Wayne County, Illinois, T1S, R8E, NW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 36 (Fairfield Quad)	07/27/77	Unbalanced
CZKZ-10	Unnamed tributary Owens Creek, 4.5 mi E Fairfield, downstream bridge, Wayne County, Illinois, T2S, R8E, NW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 1 (Fairfield Quad)	07/27/77	Unbalanced
CZM-10	Miller Creek, 1.6 mi N Mt. Erie, Wayne County, Illinois, T1N, R9E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 8 (Mt. Erie Quad)	07/21/77	Unbalanced
CZN-10	Buck Creek, 3.4 mi N Flora, Clay County, Illinois, T3N, R6E, NE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 11 (Flora Quad)	07/09/77	Semi-Polluted
CZQ-10	Second Creek, 3.9 mi WNW Watson, Effingham County, Illinois, T7N, R5E, NE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 16 (Effingham Quad)	07/29/77	Semi-Polluted
CZQ-11	Second Creek, 3.9 mi ESE Altamont, downstream bridge, Effingham County, Illinois, T7N, R5E, NW $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 19 (Effingham Quad)	06/28/77	Semi-Polluted
CZR-10	Lily Creek, 4.0 mi NW Watson, downstream bridge, Effingham County, Illinois, T7N, R5E, NE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 10 (Effingham Quad)	06/29/77	Semi-Polluted
CZR-11	Lily Creek, 6.8 mi W Effingham, Effingham County, Illinois, T8N, R5E, SW $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 32 (Effingham Quad)	06/28/77	Unbalanced
CZW-10	Clear Creek, 8.1 mi SW Mattoon, Coles County, Illinois, T11N, R7E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 19 (Mattoon Quad)	06/21/77	Semi-Polluted
CZX-10	Copperas Creek, 5.2 mi N Sigel, Shelby County, Illinois, T10N, R6E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 24 (Mattoon Quad)	06/21/77	Unbalanced
CZXZ-10	Unnamed tributary Copperas Creek, 0.75 mi W Neoga, 0.3 mi downstream Neoga wastewater treatment plant outfall, Cumberland County, Illinois, T10N, R7E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 7 (Mattoon Quad)	06/21/77	Semi-Polluted
CZXZ-11	Unnamed tributary Copperas Creek, Park St. bridge, Neoga, 0.25 mi upstream Neoga wastewater treatment plant outfall, Cumberland County, Illinois, T10N, R7E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 7 (Mattoon Quad)	06/21/77	Unbalanced
CZZ	Big Ditch, 3.4 mi NNE New Haven, White County, Illinois, T6S, R10E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 34 (Emma Quad)	08/10/77	Dry
CZZA-10	Camp Creek, 7 mi WNW Grayville, Edwards County, Illinois, T3S, R10E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 8 (Albion S Quad)	08/05/77	Semi-Polluted
CZZB-10	Gum Road Ditch, 4.2 mi ENE Burnt Prairie, downstream bridge, Wayne County, Illinois, T3S, R9E, NW $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 14 (Golden Gate Quad)	08/05/77	Semi-Polluted

STATION NUMBER	LOCATION	SAMPLING DATE	STREAM CLASSIFICATION
CZZC-10	Little Pond Creek, 3.2 mi NNE Burnt Prairie, downstream bridge, Wayne County, Illinois, T3S, R9E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 5 (Golden Gate Quad)	08/04/77	Unbalanced
CZZC-11	Little Pond Creek, 1.6 mi N Burnt Prairie, Wayne County, Illinois, T3S, R8E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 12 (Fairfield Quad)	08/05/77	Semi-Polluted
CZZDA	Union Drainage Ditch, 4.5 mi WNW Albion Edwards County, Illinois, T1S, R10E, SW $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 31 (Albion NW Quad)	08/03/77	Dry
CZZDA-10	Union Drainage Ditch, 0.4 mi E Golden Gate, Wayne County, Illinois, T2S, R9E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 10 (Golden Gate Quad)	08/03/77	Semi-Polluted
CZZDA-11	Union Drainage Ditch Bypass, 1.4 mi E Golden Gate, 10 yd downstream bridge, Wayne County, Illinois, T2S, R9E, NE $\frac{1}{4}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 14 (Golden Gate Quad)	08/03/77	Unbalanced
CZZDAZ	Unnamed tributary Union Drainage Ditch, 0.3 mi E Golden Gate, Wayne County, Illinois, T2S, R9E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 10 (Golden Gate Quad)	08/03/77	Dry
CZZDAZ-10	Unnamed tributary Union Drainage Ditch, 4.4 mi WNW Albion, Edwards County, Illinois, T1S, R10E, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 30 (Albion NW Quad)	08/03/77	Semi-Polluted
CZZE-10	Bear Creek, 6.2 mi ESE Mt. Erie, downstream bridge, Edwards County, Illinois, T1N, R10E, SW $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 20 (Albion N Quad)	08/02/77	Semi-Polluted
CZZE-11	Bear Creek, 4.8 mi WSW West Salem, Edwards County, Illinois, T1N, R10E, SE $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 22 (Albion N Quad)	08/02/77	Unbalanced
CZZF-10	Moutray Slough, 4.0 mi N Mt. Erie, Wayne County, Illinois, T2N, R9E, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 29 (Mt. Erie Quad)	07/28/77	Semi-Polluted
CZZFA-10	Grove Creek, 4.0 mi NNW Mt. Erie, Wayne County, Illinois, T2N, R8E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 25 (Flora Quad)	07/21/77	Semi-Polluted
CZZZ	Unnamed tributary Big Ditch, 3.9 mi NE New Haven, White County, Illinois, T6S, R10E, SE $\frac{1}{4}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 34 (Emma Quad)	08/10/77	Dry

APPENDIX 3

COMPOSITE LIST AND ABUNDANCE OF MACROINVERTEBRATE
TAXA COLLECTED AT STREAM SAMPLING SITES
IN THE WABASH RIVER BASIN

TAXA	BONPAS CREEK (BC)				COFFEE CREEK (BD)		EMBARRAS RIVER SYSTEM (BE)						
	BCDZ-10	BCDZ-10	BCE-10	BCEA-10	BCF-10	BCZ-10	BD-10	BDZ-10	BE-01	BE-02	BE-06	BE-08	BE-09
INTOLERANT													
Amphipoda	-	-	-	-	-	-	-	-	-	1	19	-	2
Calopterygidae	-	-	-	-	7	56	1	17	-	1	-	-	-
Decapoda	-	5	13	19	1	6	4	13	-	5	-	-	2
Ephemeroptera	-	-	15	-	-	1	-	3	27	75	8	22	23
Goniobasis	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	16
MODERATE													
Anisoptera	-	-	-	11	-	1	-	-	-	-	-	-	-
Coenagrionidae	-	-	-	2	-	-	-	-	6	2	30	-	10
Ephemeroptera	-	-	10	-	-	-	-	-	-	-	3	-	-
Hydropsychidae	-	-	-	-	-	1	-	-	7	35	-	25	9
Isopoda	56	25	1	3	4	150	12	-	-	-	-	-	-
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Palaemonidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	-	-	-	4	7	-	-	-
Sphaeriidae	-	-	31	-	3	-	-	-	4	-	-	1	7
Tricladida	-	-	-	-	-	-	-	-	-	-	5	-	1
FACULTATIVE													
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	4	-	-	-
Caenidae	-	-	1	2	1	3	2	1	18	7	2	-	2
Coleoptera	-	29	2	18	4	38	-	7	1	7	37	25	60
Ephemeriidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferriassia	-	-	-	-	-	-	-	-	-	-	-	-	-
Heteroptera	31	26	24	11	17	7	13	9	12	-	3	8	15
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non-Physa)	-	-	-	-	1	-	-	-	-	-	-	-	-
TOLERANT													
Chironomidae	9	2	10	10	6	5	2	3	64	11	5	12	40
Diptera (other)	-	-	-	4	-	-	-	-	1	-	1	-	2
Ilirudinea	-	-	-	-	-	-	-	-	-	-	-	-	1
Oligochaeta	-	-	-	-	-	-	-	-	-	2	1	-	20
Physa	-	-	1	7	35	-	-	8	-	-	3	7	8
TOTAL, NUMBER OF ORGANISMS													
Total Number Unclassified	96	87	108	94	76	268	34	61	144	153	117	100	218
Total Number Intolerant	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Number Moderate	56	25	42	16	7	152	12	33	27	82	27	22	43
Total Number Facultative	31	55	27	31	23	48	15	17	31	14	42	33	77
Total Number Tolerant	9	2	11	21	41	5	2	11	65	13	10	19	71
STREAM CLASSIFICATION													
	SP	SP	UB	UB	SP	UB	UB	UB	UB	B	UB	UB	UB

EMBARRAS RIVER SYSTEM (RE)

TAXA	BE-10	BE-11	BE-21	BE-22	BE-23	BE-24	BE-25	RE-26	BE-27	BE-28	RE-29	BE-30	BE-31	BE-32
INTOLERANT														
Amphipoda	-	-	-	-	1	-	-	1	-	-	-	7	-	15
Calopterygidae	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Decapoda	2	-	-	-	-	-	-	-	-	1	2	3	1	3
Ephemeroptera	-	5	2	12	3	52	16	-	10	23	15	7	65	12
<i>Goniatasia</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MODERATE														
Anisoptera	-	-	1	-	1	1	-	-	-	-	-	1	-	-
Coenagrionidae	-	4	14	-	-	2	3	1	11	10	3	-	-	5
Ephemeroptera	-	-	-	-	-	-	-	-	-	5	1	6	-	-
Hydropsychidae	-	-	-	-	-	16	-	-	-	19	-	-	84	37
Isopoda	1	-	63	-	1	1	-	-	-	-	-	-	-	-
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Palaeomonidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	4	1	-	2	-	-	-	-	-	-	11	-
Sphaeriidae	-	-	15	-	-	-	-	-	-	-	-	-	-	-
Tricladida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FACULTATIVE														
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Caenidae	-	1	21	17	2	1	1	-	2	-	-	10	7	4
Coleoptera	3	2	3	7	5	19	2	5	11	6	1	6	27	34
Ephemeridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Ferriessa</i>	-	-	-	-	-	-	-	-	-	-	1	-	2	-
Heteroptera	122	277	9	1	47	15	35	158	121	41	117	33	-	2
Nematomorpha	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non-Physa)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOLERANT														
Chironomidae	-	-	35	7	3	7	5	2	6	1	-	11	12	14
Diptera (other)	9	-	-	-	1	1	-	-	1	1	-	1	-	-
Hirudinea	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oligochaeta	-	-	9	-	1	-	-	-	2	-	-	-	-	2
<i>Physa</i>	4	3	3	-	3	-	1	31	2	-	-	2	-	1
TOTAL NUMBER OF ORGANISMS														
Total Number Unclassified	141	293	179	45	68	117	63	198	166	107	140	87	209	131
Total Number Intolerant	2	5	2	12	4	52	16	1	10	24	17	17	66	32
Total Number Moderate	1	4	97	2	2	22	3	1	11	34	4	7	95	42
Total Number Facultative	125	281	33	25	54	35	38	163	134	47	119	49	36	40
Total Number Tolerant	13	3	47	7	8	8	6	33	11	2	0	14	12	17
STREAM CLASSIFICATION														
	SP	SP	SP	UB	SP	UB	UB	SP	SP	UB	UB	UB	UB	UB

TAXA	BE-35	BE-34	BE-35	BE-36	BE-37	BE-38	BE-39	BE-40	BE-41	BE-42	BE-43	BE-44	BE-45	BEA-10
INTOLERANT														
Amphipoda	9	15	8	-	4	-	-	3	-	-	-	-	-	5
Calopterygidae	-	16	-	-	5	3	4	8	-	3	-	1	2	7
Decapoda	30	8	30	35	26	135	41	26	36	100	55	100	24	2
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Goniatidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Unionidae	-	-	3	-	-	-	-	-	-	-	-	-	-	-
MODERATE														
Antisoptera	1	-	-	-	2	-	1	-	-	-	-	-	-	-
Coenagrionidae	14	12	11	1	1	4	-	1	7	5	-	-	9	-
Ephemeroptera	-	25	30	-	4	70	4	10	-	100	100	100	-	-
Hydropsychidae	-	-	1	-	2	-	-	-	1	-	-	-	-	2
Isopoda	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Palaeonidae	-	-	-	-	-	-	-	-	-	-	-	22	-	-
Simuliidae	-	20	-	4	-	5	-	-	-	-	2	-	-	-
Sphaeriidae	60	100	-	-	-	-	-	-	1	-	-	6	2	-
Trichalida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FACULTATIVE														
Bryozoa (colonies)	-	-	-	+	-	36	16	-	+	-	-	+	-	-
Cnidaria	-	-	-	30	5	-	-	20	20	15	5	17	10	1
Coleoptera	60	27	4	1	5	2	3	9	10	2	5	-	-	4
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Forficulidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heteroptera	4	12	40	4	9	3	4	7	4	7	3	15	5	2
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non-Physa)	-	30	5	-	-	-	-	-	-	-	-	-	-	-
TOLERANT														
Chironomidae	2	4	20	44	34	10	14	23	100	3	70	47	60	60
Diptera (other)	-	-	-	-	-	-	-	-	-	-	17	-	-	38
Hirudinea	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Oligochaeta	-	15	15	-	2	-	1	-	1	-	-	-	-	-
Physa	1	-	1	-	-	-	-	4	-	2	1	-	-	8
TOTAL NUMBER OF ORGANISMS														
Total Number Unclassified	181	284	168	127	99	268	89	111	180	239	258	308	112	129
Total Number Intolerant	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Number Moderate	39	39	41	42	35	138	45	37	36	105	55	101	26	14
Total Number Facultative	75	157	42	6	9	79	5	11	9	105	102	128	11	2
Total Number Tolerant	64	69	49	35	19	41	23	36	34	24	13	32	15	7
Total Number Tolerant	3	19	36	44	36	10	16	27	101	5	88	47	60	106
STREAM CLASSIFICATION														
UB	UB	UB	UB	UB	UB	B	B	UB	UB	UB	UB	UB	UB	UB

TAXA	BEA-11	BEA-12	BEAB-10	BEABA-10	BEAC-10A	BEAC-10B	BEAZ-10	BEB-10	BEB-11	BEB-12	BEB-13A	BEB-13B	BEBB-10A	BEBB-10B
INTOLERANT														
Amphipoda	30	-	2	10	-	-	13	50	8	-	-	-	-	1
Calopterygidae	-	-	-	-	-	-	-	-	-	3	-	-	-	-
Decapoda	3	-	10	6	-	-	-	3	13	6	2	-	1	-
Ephemeroptera	3	-	-	5	-	3	-	-	6	7	-	-	-	-
<i>Anacharis</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MODERATE														
Anisoptera	1	-	-	-	2	3	-	-	-	1	1	1	4	2
Coenagrionidae	100	-	3	-	1	10	5	-	-	-	-	20	-	10
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydropsychidae	-	-	-	-	-	12	-	-	-	-	-	-	-	-
Isopoda	2	-	3	5	-	-	-	30	32	7	16	7	5	2
Negatoptera	-	-	-	-	-	-	-	7	-	-	-	-	-	-
Palaeomonidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	50	-	-	-	-	-	-	-	-
Sphaeriidae	-	-	1	-	-	3	-	-	1	-	-	-	-	-
Tricladida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FACULTATIVE														
Bryozoa (colonies)	-	-	-	-	-	-	-	-	+	-	-	-	-	-
Caelidae	6	-	-	18	-	11	25	10	7	5	1	5	2	-
Coleoptera	14	-	4	7	2	2	2	9	16	1	2	-	4	-
Ephemeriidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Perrissia</i>	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Heteroptera	7	-	26	11	3	-	5	12	10	1	2	3	2	-
Nematomorpha	-	-	-	-	-	1	-	-	1	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non-Physa)	-	-	-	5	10	15	6	-	2	-	-	1	-	-
TOLERANT														
Chironomidae	14	5	20	30	35	4	10	70	10	11	15	12	10	2
Diptera (other)	-	140	-	2	2	3	20	9	3	-	1	-	2	-
Hirudinea	-	-	-	1	-	-	4	1	-	-	-	-	-	-
Oligochaeta	-	3	1	-	3	-	-	-	-	-	-	10	-	3
<i>Physa</i>	20	1	-	2	15	15	40	2	30	2	3	6	1	3
TOTAL NUMBER OF ORGANISMS	200	149	70	102	75	133	130	203	139	44	43	68	31	23
Total Number Unclassified	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Number Intolerant	36	0	12	21	0	3	13	53	27	16	2	3	1	1
Total Number Moderate	103	0	7	5	3	78	5	37	33	8	17	28	9	14
Total Number Facultative	27	0	30	41	15	30	38	31	36	7	5	9	8	0
Total Number Tolerant	34	149	21	35	55	22	74	82	43	13	19	28	13	8
STREAM CLASSIFICATION	UB	P	UB	UB	SP	SP	UB	UB	UB	UB	SP	SP	SP	SP

TAXA	BEBZ-10	BEBZ-11	BEC-10	BED-10	BED-11	BED-12	BEDA-10	BEDA-11	BEDB-10	BEDB-11	BEDC-10	BEP-03	BEP-04	BEP-14
INTOLERANT														
Amphipoda	2	-	9	1	-	-	-	-	6	-	-	-	-	-
Calopterygidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	11	5	5	13	9	8	25	28	17	4	15	5	-	5
Ephemeroptera	8	9	2	-	3	5	-	-	-	-	-	10	8	12
Goniatitis	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	4	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MODERATE														
Anisoptera	-	-	-	8	1	-	3	-	-	-	16	-	-	-
Coenagrionidae	7	-	-	-	2	-	-	-	-	-	4	-	1	3
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydropsychidae	-	-	-	-	-	-	-	-	-	-	-	2	-	-
Isopoda	5	13	4	-	2	5	-	-	12	-	1	-	-	-
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Palaemonidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sphaeriidae	-	-	-	-	-	-	-	8	-	-	-	2	-	-
Tricladida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FACULTATIVE														
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Caenidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Collembola	13	-	3	20	-	2	1	-	-	1	9	-	-	3
Ephemeroptera	-	-	-	-	-	-	-	-	-	2	12	5	-	4
Perrinitia	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Heteroptera	20	40	4	-	-	-	2	10	-	2	4	4	-	2
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non-physa)	1	-	-	-	-	-	-	-	18	-	-	-	-	-
TOLERANT														
Chironomidae	5	4	4	-	2	90	5	18	-	100	8	10	3	2
Diptera (other)	3	-	-	-	2	-	-	-	-	-	-	-	-	-
Hirudinea	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oligochaeta	-	-	-	-	-	-	-	-	1	100	-	-	12	3
Physa	36	2	2	-	-	3	-	2	-	-	-	-	-	-
TOTAL NUMBER OF ORGANISMS														
Total Number Unclassified	111	73	33	42	21	113	36	66	54	209	69	42	25	34
Total Number Intolerant	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Number Moderate	21	14	16	14	12	13	25	28	23	4	15	19	8	17
Total Number Facultative	34	40	7	20	0	2	3	10	18	5	25	9	1	9
Total Number Tolerant	44	6	6	6	4	93	5	20	1	200	8	10	15	5
STREAM CLASSIFICATION														
Apotrophe (*) - plate sample	UB	UB	UB	UB	B	UB	B	UB	UB	SP	UB	UB	UB	B

TAXA	BEP-15	BEP-16	BEP-17	BEP-18	BEP-19	BEP-20	BEP-21	BEP-22	BEP-23	BEP-24	BEP-25A	BEP-25B	BEP-10	BEP-11
INTOLERANT														
Amphipoda	-	-	3	-	-	-	7	9	-	-	13	-	-	-
Catopterygidae	11	6	1	1	7	-	6	6	4	1	6	3	-	-
Decapoda	13	30	32	14	-	4	17	16	27	24	16	6	5	36
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Goniatids	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	19	-	-	-	-	-	-	-	-	4	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MODERATE														
Anisoptera	-	-	-	-	-	-	-	2	-	-	-	-	-	-
Coenagrionidae	-	-	-	2	1	-	5	-	2	2	-	11	-	1
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydropsychidae	35	34	57	1	-	-	-	-	-	-	-	-	6	1
Isopoda	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Palaeonidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	-	-	-	-	-	11	-	-	-
Sphaeriidae	-	-	2	-	2	-	-	-	-	4	2	-	-	-
Tricladida	-	-	-	-	-	-	-	-	-	-	-	3	-	-
FACULTATIVE														
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Caenidae	2	17	3	2	1	1	1	6	7	2	7	25	-	-
Coleoptera	8	-	7	3	-	-	-	-	-	-	-	-	-	-
Ephemeridae	-	-	-	-	-	-	-	-	-	-	4	-	-	-
Ferrissia	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heteroptera	3	4	9	-	-	-	2	-	-	-	2	-	-	3
Nematomorpha	-	-	-	-	-	-	-	-	-	-	2	-	-	-
Porifera	-	-	-	+	-	-	-	-	-	-	-	-	-	-
Snail (non-Physa)	-	-	1	-	-	-	-	5	1	-	5	1	-	-
TOLERANT														
Chironomidae	6	8	15	8	8	12	32	100	20	15	7	36	51	6
Diptera (other)	2	-	2	1	-	-	-	1	1	-	4	2	2	-
Ilirudinea	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oligochaeta	1	3	3	1	5	91	30	-	-	15	5	5	6	1
Physa	-	-	4	-	2	-	1	-	13	2	4	-	-	-
TOTAL NUMBER OF ORGANISMS														
Total Number Unclassified	81	102	139	52	26	108	101	145	75	65	90	94	74	48
Total Number Intolerant	24	36	36	34	7	4	30	31	31	25	37	11	9	36
Total Number Moderate	35	34	59	3	3	0	5	2	2	6	13	14	6	2
Total Number Facultative	13	21	20	5	1	1	3	11	8	2	20	26	0	3
Total Number Tolerant	9	11	24	10	15	103	63	101	34	32	20	43	59	7
STREAM CLASSIFICATION														
	UB	UB	UB	B	UB	SP	UB	UB	UB	UB	UB	UB	UB	B

TAXA	BEFA-12A	BEFA-12B	BEFA-13	BEFA-14	BEFA-15	BEFAA-10BEFAAA-11	BEFAB-10	BEFC-10	BEFC-11	BEFD-10	BEFE-10	BEFE-11
INTOLERANT												
Amphipoda	5	6	-	21	15	-	1	1	-	48	-	24
Calopterygidae	-	-	-	-	-	-	-	-	-	-	-	30
Pecapoda	3	18	1	2	14	25	5	1	8	3	1	8
Ephemeroptera	5	-	2	51	8	-	-	-	-	5	16	76
Goniatids	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	11	-	3	-	-	-	3	2	-	5	6	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	1	4
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-
MODERATE												
Anisoptera	2	-	-	-	-	-	-	1	-	-	1	-
Coenagrionidae	-	-	-	1	1	-	-	-	-	2	7	2
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-
Hydropsychidae	-	-	-	-	-	-	-	-	-	-	-	-
Isopoda	-	-	-	3	1	-	5	1	-	-	1	-
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-
Palaeomonidae	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	-	-	-	-	-	-	-
Sphaeriidae	-	1	2	-	2	3	-	10	-	-	16	-
Tricladida	-	-	-	-	-	-	-	-	-	-	-	-
FACULTATIVE												
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-
Caenidae	-	3	-	-	-	-	-	-	5	2	1	8
Coleoptera	6	2	-	-	6	2	10	4	-	3	1	-
Ephemeridae	-	-	-	-	-	-	-	-	-	-	-	-
Ferrissidae	-	-	-	-	-	-	-	-	-	-	-	-
Heteroptera	3	4	2	-	5	1	11	6	-	7	2	-
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	+	-	-	-	-	-	-	-	-
Snails (non-Physa)	1	-	-	-	2	-	-	-	-	-	-	-
TOLERANT												
Chironomidae	22	17	23	64	3	13	8	9	8	13	3	27
Diptera (other)	2	-	-	1	-	-	-	-	-	1	-	-
Hirudinea	-	2	-	-	-	-	-	-	-	-	-	-
Oligochaeta	-	-	-	40	-	-	-	-	-	-	15	-
Physa	2	-	2	5	22	1	30	12	4	2	1	20
TOTAL NUMBER OF ORGANISMS	62	53	35	188	79	45	73	52	27	94	34	178
Total Number Unclassified	0	0	0	0	0	0	0	0	0	0	0	0
Total Number Intolerant	24	24	6	74	37	25	9	4	8	56	23	109
Total Number Moderate	2	1	2	4	4	3	5	12	0	2	2	23
Total Number Facultative	10	9	2	0	13	3	21	15	7	12	4	3
Total Number Tolerant	26	19	25	110	25	14	38	21	12	24	5	43
STREAM CLASSIFICATION	UB	UB	UB	UB	UB	B	UB	SP	UB	B	B	B

TAXA	EMBARRAS RIVER SYSTEM (BE)														BEPF-10 BEFSZ-10			
	BEEF-12	BEEZ-10	BEEF-10	BEEG-10	BEEG-11	BEFH-10	BEFT-10	BEFJ-10	BEFN-10A	BEFN-10B	BEFO-10	BEPF-10	BEFR-10	BEFSZ-10				
INTOLERANT																		
Amphipoda	-	-	-	-	31	-	11	-	1	1	-	-	5	-				
Calopterygidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Decapoda	-	-	15	2	1	-	-	10	5	4	-	-	-	2				
Ephemeroptera	-	-	50	8	2	23	1	21	16	27	26	-	22	24				
Goniobasis	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Plecoptera	-	-	9	4	4	-	-	-	6	5	1	-	-	5				
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	21				
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
MODERATE																		
Anisoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Coenagrionidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Hydropsychidae	-	-	-	-	-	-	-	-	-	23	-	-	-	-				
Isopoda	-	-	-	-	1	-	-	-	1	-	-	-	-	5				
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-	2				
Palaeonidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Simuliidae	-	-	-	-	-	-	-	-	1	-	21	25	143	-				
Sphaeriidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Tricladida	-	-	-	-	-	-	-	-	-	-	-	-	-	1				
FACULTATIVE																		
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Caenidae	-	-	-	-	-	-	-	-	1	-	-	-	-	-				
Coleoptera	-	-	3	4	-	-	6	15	13	4	13	27	1	4				
Ephemeridae	-	-	-	-	-	-	-	-	-	-	-	-	-	2				
Perissgia	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Heteroptera	-	-	-	1	1	-	7	15	3	1	2	3	9	10				
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Snails (non-Physa)	-	-	-	-	-	-	-	-	2	-	-	-	-	5				
TOLERANT																		
Chironomidae	100	100	1	12	10	14	43	25	55	6	3	20	-	33				
Diptera (other)	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Hirudinea	-	-	1	-	-	-	-	-	-	-	-	-	-	5				
Oligochaeta	-	6	-	-	-	-	-	-	52	1	-	4	-	3				
Physa	-	-	-	13	5	-	5	17	-	1	3	-	3	1				
TOTAL NUMBER OF ORGANISMS																		
Total Number Unclassified	100	106	79	69	55	37	73	103	156	73	69	106	211	68				
Total Number Intolerant	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Total Number Moderate	0	0	74	39	38	23	12	31	28	37	27	27	45	7				
Total Number Facultative	0	0	0	0	1	0	0	0	2	23	21	25	144	7				
Total Number Tolerant	100	106	3	5	1	0	13	30	19	5	15	30	19	12				
			2	25	15	14	48	42	107	8	6	24	3	42				
STREAM CLASSIFICATION																		
	P	P	B	B	B	B	UB	UB	UB	B	UB	UB	UB	UB				

TAXA	BEG-10A	BEG-10B	BEGA-10	BEGA-11	BEGA-12	BEGB-10	BEGB-11	BEL-10	BEJ-10	BEJA-10	BEJCZ-10	BEL-10	BELA-10	BELC-10
EMBARKAS RIVER SUBSITE (DE)														
INTOLERANT														
Amphipoda	7	-	6	25	-	-	2	-	-	8	-	3	25	-
Calopterygidae	-	-	-	-	-	-	-	-	-	1	-	2	-	-
Decapoda	35	4	16	3	8	9	19	-	-	-	-	3	-	-
Ephemeroptera	2	-	2	11	2	2	-	-	-	1	-	7	1	2
Goniobasis	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-	-
plecoptera	45	-	-	-	3	25	10	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	1	-	-	-	-	-	-	-	-	-	-	-
MODERATE														
Anisoptera	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Coenagrionidae	-	1	-	1	-	-	-	1	20	-	-	6	2	8
Ephemeroptera	-	-	-	-	-	-	-	13	-	-	-	-	18	-
Hydropsychidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopoda	11	10	11	-	-	6	-	-	-	-	-	-	-	-
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Palaeomonidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	-	1	-	-	-	-	-	2	-
Sphaeriidae	-	-	2	-	-	-	-	-	-	1	-	14	-	50
Tricladida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FACULTATIVE														
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Caenidae	-	-	-	-	-	-	-	-	-	3	10	7	-	-
Coleoptera	2	-	3	5	10	3	-	-	3	4	3	36	4	12
Ephemeridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perissia	-	-	-	-	-	-	-	-	3	-	-	4	1	-
Heteroptera	1	-	1	5	11	-	12	12	21	2	12	12	25	20
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Snail (non-Physa)	-	-	-	2	-	-	-	-	-	-	-	6	-	-
TOLERANT														
Chironomidae	4	2	1	13	3	26	48	15	30	1	200	4	4	6
Diptera (other)	-	-	-	-	-	-	-	15	2	4	54	-	-	-
Hirudinea	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Oligochaeta	-	4	-	-	-	-	-	35	1	2	2	-	-	4
Physa	8	3	5	25	2	4	6	7	2	1	1	4	6	30
TOTAL NUMBER OF ORGANISMS	115	24	48	91	39	75	98	98	94	26	274	108	88	132
Total Number Unclassified	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Number Intolerant	89	4	25	39	13	36	31	0	9	1	0	15	26	2
Total Number Moderate	11	11	13	1	0	6	1	14	20	1	2	20	22	58
Total Number Facultative	3	0	4	12	21	3	12	12	30	16	15	65	30	32
Total Number Tolerant	12	9	6	39	5	30	54	72	35	8	257	8	10	40
STREAM CLASSIFICATION	B	UB	B	UB	UB	UB	UB	SP	SP	SP	SP	UB	UB	SP

EMBARRAS RIVER SYSTEM (BE)

TAXA	BEN-01	BEN-11	BEN-12	BEN-13	BEN-14	BEN-15	BEN-16	BEN-17	BEN-10	BEN-10	BEN-11	BEN-11	BEN-11	BEN-10
INTOLERANT														
Amphipoda	30	35	-	-	-	-	-	-	-	35	11	-	-	-
Calopterygidae	4	-	-	-	-	-	4	-	-	-	-	1	35	-
Decapoda	-	1	-	-	-	-	-	2	-	-	2	-	-	4
Ephemeroptera	5	13	2	-	-	-	3	25	2	14	13	-	2	4
Goniobasis	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MODERATE														
Anisoptera	-	-	1	-	-	-	6	6	-	20	2	-	1	-
Coenagrionidae	8	25	2	-	-	1	30	-	-	30	7	-	-	-
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydropsychidae	35	30	-	-	-	-	-	-	-	30	-	-	-	1
Isopoda	1	3	-	-	-	-	-	-	-	15	-	-	-	-
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Palaeomonidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Sphaeriidae	-	-	1	-	-	-	2	35	20	-	18	-	-	-
Tricladidae	-	-	-	-	-	-	-	-	6	-	-	-	-	-
FACULTATIVE														
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Caenidae	2	1	-	-	-	-	-	-	5	3	3	-	-	-
Coleoptera	39	40	3	-	-	11	10	40	50	50	12	3	30	15
Ephemeridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perissia	-	5	-	-	-	-	-	-	-	25	-	-	-	2
Heteroptera	35	7	10	-	-	-	20	6	100	35	4	4	60	8
Nematomorpha	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non-Physa)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOLERANT														
Chironomidae	40	12	30	-	5	100	25	65	50	25	1	-	35	8
Diptera (other)	3	-	-	-	-	-	-	4	6	-	-	-	2	-
Hirudinea	-	-	-	-	-	-	-	-	8	1	1	-	-	-
Oligochaeta	100	40	100	200	200	200	-	-	10	6	-	1	1	-
Physa	2	4	-	10	-	8	-	20	25	25	8	-	-	2
TOTAL NUMBER OF ORGANISMS														
Total Number Unclassified	304	221	149	210	205	320	100	203	282	314	82	9	166	44
Total Number Intolerant	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Number Moderate	39	49	2	0	0	1	38	27	2	49	26	1	37	8
Total Number Facultative	44	62	4	0	0	0	0	41	26	95	27	0	1	1
Total Number Tolerant	76	54	13	0	0	11	30	46	155	113	19	7	90	25
	145	56	130	210	205	308	25	89	99	57	10	1	38	10
STREAM CLASSIFICATION														
	UB	UB	SP	P	P	P	SP	UB	SP	UB	UB	UB	UB	UB

TAXA	INFO-11	BEP-10	BEP-11	BEP-12	BEPD-10	BEPDA-10B1PDAZ-10	BEPUB-10	BEPDZ-10	BEQ-10	BEQ-11	BER-10	BER-11	BER-12
INTOLERANT													
Amphipoda	6	34	10	40	2	-	23	100	-	39	-	-	-
Catopterygidae	-	-	-	-	1	-	-	-	-	1	-	-	-
Decapoda	1	-	1	-	-	-	-	-	-	2	-	-	-
Ephemeroptera	-	2	12	15	-	1	1	6	-	1	4	36	3
<i>Goniobasis</i>	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	3	-	-	-	-	-	-	-	1	-	-	-	-
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	-
MODERATE													
Anisoptera	2	-	-	1	6	-	1	7	11	1	4	24	9
Coenagrionidae	1	-	3	11	2	2	19	55	-	32	2	13	205
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydropsychidae	35	-	-	-	-	-	-	-	-	-	-	-	-
Isopoda	1	-	-	-	-	-	-	-	-	-	-	-	-
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Palaeomonidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	12	-	-	-	-	-	-	-	-	-	-	-	-
Sphaeriidae	100	-	-	-	130	-	8	10	32	12	-	-	-
Tricladida	100	7	4	10	-	-	-	-	-	-	-	-	-
FACULTATIVE													
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-
Caenidae	-	-	8	1	2	-	-	-	-	15	-	-	-
Coleoptera	50	86	13	20	4	10	2	9	24	17	2	33	4
Ephemeriidae	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Perissia</i>	-	-	-	-	-	-	-	-	-	5	-	-	-
Heteroptera	20	32	74	136	52	34	1	13	305	5	119	459	119
Nematomorpha	-	-	-	-	-	-	-	1	3	1	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-
Snail (non-Physa)	-	-	-	-	100	-	53	-	-	-	-	-	-
TOLERANT													
Chironomidae	15	31	3	2	-	-	33	5	17	17	50	8	98
Diptera (other)	-	-	-	-	1	16	2	-	8	4	-	5	-
Hirudinea	2	-	-	-	-	-	11	1	-	-	-	-	-
Oligochaeta	-	1	-	1	-	-	17	-	12	-	10	-	22
<i>Physa</i>	8	27	-	-	-	3	-	10	23	5	6	120	207
TOTAL NUMBER OF ORGANISMS													
Total Number Unclassified	356	220	128	237	300	65	156	221	436	157	197	698	667
Total Number Intolerant	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Number Moderate	10	36	23	55	3	0	1	106	1	43	4	36	3
Total Number Facultative	251	7	7	22	138	2	36	76	43	45	6	37	214
Total Number Tolerant	70	118	95	157	158	44	56	23	332	43	121	492	123
	25	59	3	3	1	19	63	16	60	26	66	133	327
STREAM CLASSIFICATION													
	SP	UB	UB	UB	SP	SP	SP	UB	SP	UB	SP	SP	SP

TAXA	BER-13	BER-14	BERB-10	BERB-11	BERB-12	BERB-13	BERB-14	BERB-15	BERBA-10	BERBA-11	BERBA-12	BERZ-10	BERZ-11	BERZ-12
INTOLERANT														
Amphipoda	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calopterygidae	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Decapoda	-	-	-	-	1	-	1	-	-	-	1	1	-	-
Ephemeroptera	-	8	1	19	3	61	-	-	32	-	31	38	-	-
Goniolasis	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MODERATE														
Anisoptera	1	3	-	4	6	6	-	-	2	-	1	4	2	-
Coenagrionidae	90	50	49	120	44	33	69	-	25	-	1	23	-	-
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydropsychidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopoda	-	-	-	15	45	27	-	-	-	-	-	-	-	-
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Palaeonidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sphaeriidae	-	13	2	-	-	1	-	-	-	-	-	-	-	-
Tricladida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FACULTATIVE														
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Caeenidae	-	3	7	2	2	-	-	-	4	-	96	-	-	-
Coleoptera	1	4	5	4	7	13	5	-	14	-	-	17	12	-
Ephemeridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrissia	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heteroptera	-	8	15	51	3	436	7	-	45	-	-	668	341	-
Nematomorpha	-	1	-	-	-	1	-	-	-	-	-	3	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Snail (non-Physa)	-	1	-	-	-	-	-	-	-	-	-	-	-	-
TOLERANT														
Chironomidae	12	43	8	67	51	-	164	-	172	-	10	16	137	101
Diptera (other)	-	-	-	3	-	-	9	-	-	1	-	1	9	-
Hirudinea	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oligochaeta	-	2	-	5	5	1	3	4	-	-	-	-	4	-
Physa	-	91	4	19	52	43	9	54	-	-	-	53	3	-
TOTAL NUMBER OF ORGANISMS														
Total Number Unclassified	104	227	92	309	219	622	267	58	294	1	140	824	508	101
Total Number Intolerant	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Number Moderate	91	66	51	139	95	67	69	0	27	0	2	27	2	0
Total Number Facultative	1	17	27	57	12	450	12	0	63	0	96	688	353	0
Total Number Tolerant	12	136	12	94	108	44	185	58	172	1	10	70	153	101
STREAM CLASSIFICATION	SP	SP	SP	SP	SP	SP	SP	P	UB	P	UB	SP	SP	P

TAXA	BERZ-13	BES-10	BESA-10	BET-10	BET-11	BETA-10	BETZ-10	BEU-10	BEU-11	BEW-10	BEW-11	BEX-10	BEX-11	BEX-12
INTOLERANT														
Amphipoda	-	-	-	-	-	-	-	20	28	3	-	43	41	-
Calopterygidae	-	-	-	-	-	2	-	-	-	-	-	-	-	2
Decapoda	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ephemeroptera	-	-	-	1	4	5	-	-	-	-	-	-	2	16
Goniobasis	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MODERATE														
Anisoptera	-	-	1	3	-	7	2	6	5	4	-	1	51	2
Coenagrionidae	-	1	1	6	7	18	1	4	8	3	-	1	13	59
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydropsychidae	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Isopoda	-	-	9	-	6	8	-	-	-	-	-	-	-	-
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Palaemonidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sphaeriidae	-	-	-	7	-	-	2	-	82	7	-	-	-	7
Tricladida	-	-	-	2	5	-	-	-	1	2	-	-	-	-
FACULTATIVE														
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Caenidae	-	-	-	4	4	10	1	-	-	-	-	-	-	-
Coleoptera	3	-	7	11	33	19	12	1	6	17	1	24	15	7
Ephemeriidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leptisidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heteroptera	1	-	5	37	55	3	38	8	4	26	89	58	61	79
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	2	-	10
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Snail (non-Physa)	-	-	-	-	-	-	-	-	-	-	3	-	1	-
TOLERANT														
Chironomidae	1	15	34	22	11	165	24	66	12	22	-	4	31	6
Diptera (other)	1	-	-	1	2	1	-	37	3	1	-	4	1	-
Hirudinea	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oligochaeta	-	1	-	-	3	-	1	12	-	16	-	-	1	-
Physa	-	-	11	4	1	-	4	2	10	6	-	14	19	28
TOTAL NUMBER OF ORGANISMS														
Total Number Unclassified	6	17	68	98	131	238	85	156	159	108	93	151	236	216
Total Number Intolerant	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Number Moderate	0	0	0	1	4	7	0	20	28	3	0	43	43	18
Total Number Facultative	4	0	11	18	18	33	5	10	96	17	0	2	64	68
Total Number Tolerant	2	16	45	52	92	32	51	9	10	43	93	84	77	96
				27	17	166	29	117	25	45	0	22	52	34
STREAM CLASSIFICATION	SP	P	SP	SP	SP	SP	SP	UB	UB	SP	SP	UB	UB	SP

TAXA	BEX-13	BEX-14	BEX-15	BEXZ-10	BEXZ-11	BEXZ-12	BEXZ-13	BEXZ-10	BEXZ-11	BEXZ-12	BEXZ-13	BEXZ-14	BEXZ-15
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INTOLERANT

Amphipoda	-	58	1	101	93	-	-	-	-	-	-	-	-
Calopterygidae	-	-	-	20	1	-	-	-	-	-	-	4	-
Decapoda	-	-	1	-	-	-	-	-	1	-	-	2	-
Ephemeroptera	-	12	-	2	-	4	-	2	4	-	1	-	-
Gammaridae	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	-

MODERATE

Anisoptera	8	31	-	2	9	18	-	31	-	-	-	-	-
Coenagrionidae	12	3	-	15	53	2	-	20	4	4	6	14	-
Ephemeroptera	2	-	-	-	-	-	-	-	-	-	-	2	-
Hydropsychidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopoda	-	-	-	-	-	-	-	-	5	-	-	-	-
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Palaemonidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Sphaeriidae	-	-	3	5	19	12	-	1	-	5	-	1	-
Tricladida	-	-	-	-	-	-	-	-	-	68	-	-	-

FACULTATIVE

Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-
Cacidae	-	-	-	22	3	-	-	-	-	-	-	-	-
Coleoptera	9	17	114	9	20	27	8	8	-	1	10	2	-
Ephemeridae	-	-	-	-	-	-	-	-	-	3	11	2	-
Forisidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Heteroptera	-	302	5	64	15	33	1	-	-	8	61	2	-
Nematomorpha	-	1	2	-	1	-	-	-	-	-	-	2	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non-Physa)	-	-	-	-	5	-	-	-	-	-	-	-	-

TOLERANT

Chironomidae	9	24	1	10	20	5	-	295	10	27	8	10	-
Diptera (other)	5	-	-	5	-	51	1	46	-	-	1	-	-
Hydrineae	-	-	-	-	-	-	-	-	-	-	-	-	-
Oligochaeta	1	-	-	-	-	4	-	-	2	11	-	13	-
Physa	7	106	6	19	20	321	-	16	1	-	5	7	-

TOTAL NUMBER OF ORGANISMS

Total Number Unclassified	53	554	133	274	259	477	10	419	27	127	104	61	0
Total Number Intolerant	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Number Moderate	0	70	2	123	94	4	0	2	5	0	2	6	0
Total Number Facultative	22	34	3	22	81	32	0	52	9	77	6	17	0
Total Number Tolerant	9	320	121	95	44	60	9	8	0	12	82	8	0
	22	130	7	34	40	381	1	357	13	38	14	30	0

STREAM CLASSIFICATION

SP	UB	SP	UB	UB	UB	SP	SP	SP	UB	SP	SP	SP	P
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TAXA	BEZ-16	BEZ-17	BEZ-18	BEZA-10	BEZA-11	BEZA-12	BEZB-10	BEZB-11	BEZB-12	BEZC-10	BEZC-10	BEZG-10	BEZJ-10	BEZZA-10
INTOLERANT														
Amphipoda	-	-	6	9	9	20	-	-	-	1	-	16	-	38
Calopterygidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Decapoda	-	-	9	-	1	2	2	7	5	-	5	1	-	12
Ephemeroptera	-	-	-	-	10	3	-	-	-	2	-	-	-	-
Gonothoracidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	1	-	-	-	-	-	-	-	-	-	-
MODERATE														
Anisoptera	-	-	-	-	-	-	1	-	5	-	-	-	-	-
Coenagrionidae	-	-	-	12	1	1	-	-	1	5	11	6	-	1
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydropsychidae	-	-	-	2	8	-	-	-	-	4	-	-	-	-
Isopoda	-	-	18	-	22	20	-	-	-	-	-	1	-	33
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Palaeomonidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	-	-	-	-	-	2	-	-	-
Sphaeriidae	-	-	4	-	-	-	-	-	-	14	1	2	-	-
Tricladida	-	-	-	1	1	-	-	-	-	-	-	-	-	3
FACULTATIVE														
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Caenidae	-	-	-	5	-	-	-	-	-	3	8	-	-	1
Coleoptera	-	-	4	17	24	3	3	-	5	12	25	5	-	4
Epimeridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Herpessia	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heteroptera	-	-	6	15	3	2	10	-	6	4	2	25	-	19
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non-Physa)	-	-	19	-	1	-	-	1	-	-	-	-	-	-
TOLERANT														
Chironomidae	200	100	3	40	3	30	17	2	68	7	7	9	52	22
Diptera (other)	-	4	-	-	-	-	-	-	-	17	18	-	-	-
Hirudinea	-	-	2	1	-	1	-	-	-	1	2	2	-	-
Oligochaeta	-	-	-	-	-	-	100	100	-	30	35	-	21	3
Physa	-	-	21	5	7	3	1	1	1	17	10	9	-	2
TOTAL NUMBER OF ORGANISMS														
Total Number Unclassified	200	104	92	115	91	85	134	111	91	117	126	76	73	138
Total Number Intolerant	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Number Moderate	0	0	15	17	21	25	2	7	5	3	5	17	0	50
Total Number Facultative	0	0	22	15	32	21	1	0	6	23	14	9	0	37
Total Number Tolerant	0	0	29	37	28	5	13	1	11	19	35	30	0	24
Total Number Tolerant	200	104	26	46	10	34	118	103	69	72	72	20	73	27
STREAM CLASSIFICATION														
	P	P	UB	UB	UB	UB	SP	SP	SP	SP	SP	UB	P	UB

TAXA	EMBARRAS RIVER SYSTEM (BE)										SIBAR CREEK SUB-BE (BE)									
	BEZZA-THEZZAA-TOBEZZAB-10					BF-01	BF-11A	BF-11B	BF-12	BF-13	BFA-10	BFA-11	BFB-10	BFB-11	BFB-12					
INTOLERANT																				
Amphipoda	1	28	-	-	-	-	-	-	-	-	42	23	14	10	20					
Calopterygidae	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-					
Decapoda	2	-	50	-	3	9	1	-	7	-	-	-	7	7	6					
Ephemeroptera	-	4	1	-	-	-	-	-	-	-	-	-	-	2	-					
Goniatites	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-					
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
MODERATE																				
Anisoptera	1	-	-	1	-	-	-	-	-	-	-	-	1	-	-					
Coenagrionidae	1	-	-	12	-	-	-	-	-	-	-	-	-	-	1					
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Hydropsychidae	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-					
Isopoda	-	19	-	-	-	-	-	-	-	-	27	-	38	11	10					
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Palaeomonidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Simuliidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Sphaeriidae	3	2	-	-	-	-	-	-	-	-	3	-	1	12	17					
Tricladida	-	5	-	-	-	-	-	-	-	-	-	1	-	-	-					
FACULTATIVE																				
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Caenidae	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-					
Coleoptera	23	18	3	11	17	3	8	2	7	-	-	-	-	2	6					
Ephemeridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Peritissia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Heteroptera	53	50	6	3	9	18	23	13	15	23	6	-	-	-	-					
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Snails (non-Physa)	1	-	11	-	-	-	-	-	-	-	-	-	-	1	4					
TOLERANT																				
Chironomidae	7	8	-	50	12	6	18	5	20	14	20	-	-	-	-					
Diptera (other)	-	-	-	-	3	3	-	-	1	-	1	-	1	-	1					
Hirudinea	-	-	1	-	-	-	1	-	-	1	-	-	-	-	-					
Oligochaeta	-	-	-	50	-	-	-	-	-	-	-	-	-	-	-					
Physa	7	3	1	1	2	6	36	5	13	11	4	-	-	-	-					
TOTAL NUMBER OF ORGANISMS	100	142	74	128	46	45	159	51	117	100	96									
Total Number Unclassified	0	0	0	0	0	0	0	0	0	0	0									
Total Number Intolerant	3	32	51	0	3	9	43	25	21	25	26									
Total Number Moderate	5	30	0	13	0	0	30	1	40	23	28									
Total Number Facultative	78	69	21	14	26	21	31	15	22	26	16									
Total Number Tolerant	14	11	2	101	17	15	55	10	34	26	26									
STREAM CLASSIFICATION	SP	UB	B	SP	SP	UB	UB	UB	UB	UB	UB									

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TAXA	BFB-13	BFBZ-10	BFBZ-11	BFBZ-12	BFBZ-10	BFBZ-11A	BFBZ-11B	BFBZ-12	BFBZ-13	BFBZ-14	BFBZ-15	BFBZ-16	BFBZ-17	BFBZ-18
SUGAR CREEK SOUTH (BF)														
INTOLERANT														
Amphipoda	5	-	-	-	-	-	-	-	4	-	-	-	-	-
Calopterygidae	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Decapoda	44	6	5	61	-	-	-	-	13	5	50	15	15	2
Ephemeroptera	2	-	-	-	-	-	-	-	1	-	-	-	-	-
Goniobasis	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	1	-	-	-	-	-	-	1	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MODERATE														
Anisoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coenagrionidae	-	-	-	2	-	-	-	-	-	-	-	-	-	-
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydropsychidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopoda	6	54	100	1	-	-	-	-	-	-	-	-	-	-
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Palaeonidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sphaeriidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tricladida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FACULTATIVE														
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Caenidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coleoptera	4	21	4	2	1	-	6	-	3	4	-	-	-	1
Ephemeridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Ferriassa</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heteroptera	31	10	14	7	2	-	-	-	24	8	13	1	2	1
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non-Physa)	-	-	-	-	-	-	-	-	7	-	-	-	-	-
TOLERANT														
Chironomidae	12	40	5	7	25	-	16	50	10	5	2	12	-	-
Diptera (other)	-	-	-	-	6	1	4	210	12	4	-	-	-	-
Hirudinea	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oligochaeta	-	5	-	-	2	25	100	-	-	-	-	1	-	2
<i>Physa</i>	21	18	9	-	-	-	1	-	16	3	-	-	35	7
TOTAL NUMBER OF ORGANISMS	126	155	137	81	36	26	127	260	91	29	65	29	52	13
Total Number Unclassified	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Total Number Intolerant	52	7	5	61	0	0	0	0	19	5	50	15	15	2
Total Number Moderate	6	54	100	3	0	0	0	0	0	0	0	0	0	0
Total Number Facultative	35	31	18	9	3	0	6	0	34	12	13	1	2	2
Total Number Tolerant	33	63	14	7	33	26	121	260	38	12	2	13	35	9
STREAM CLASSIFICATION	UB	SP	SP	B	SP	P	SP	P	UB	UB	B	B	UB	UB

TAXA	BIF-19	BIF-20	BG-10	BG-11	BG-12	BG-13	BGA-10	BGB-10	BH-01A	BH-01B	BH-10	BH-11	BH-12
INTOLERANT													
Amphipoda	-	-	-	1	-	-	-	2	2	2	5	1	5
Calopterygidae	-	-	-	-	-	-	-	-	-	8	-	-	-
Decapoda	-	3	3	2	8	31	-	-	5	-	1	18	5
Ephemeroptera	-	-	27	2	1	-	6	-	9	10	33	23	31
Gonobasis	-	-	-	-	-	-	-	-	-	-	-	-	-
Gonobasis	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	1	-	1
Plecoptera	-	-	5	-	1	-	12	-	9	-	1	10	20
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	-
MODERATE													
Anisoptera	-	-	-	-	-	-	-	-	-	-	-	1	-
Coenagrionidae	-	-	-	-	-	-	-	-	-	22	-	-	-
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydropsychidae	-	-	-	-	-	-	-	1	-	-	-	-	30
Isopoda	-	-	-	1	-	-	-	-	-	-	-	-	-
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Palaeomonidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Sphaeriidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Tricladida	-	-	-	-	-	-	-	-	-	-	-	-	-
FACTULATIVE													
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	+
Caenidae	-	-	-	-	-	-	-	-	-	4	-	-	-
Colleoptera	-	-	6	10	7	1	-	4	4	6	3	4	3
Ephemeridae	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrissia	-	-	-	-	-	-	-	-	-	-	-	-	-
Heteroptera	-	1	24	10	20	15	7	24	13	2	1	18	13
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non-Physa)	-	-	-	-	-	-	-	-	-	-	-	-	-
TOLERANT													
Chironomidae	300	3	31	25	6	2	15	10	21	2	29	4	22
Diptera (other)	2	-	1	-	2	-	2	2	-	-	-	1	1
Hirudinea	-	-	-	-	-	-	-	-	-	-	-	-	-
Oligochaeta	-	-	-	-	-	-	-	-	-	-	-	-	-
Physa	-	10	2	8	1	-	4	7	6	3	-	9	3
TOTAL NUMBER OF ORGANISMS	302	17	99	59	46	49	46	54	70	59	74	89	134
Total Number Unclassified	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Number Intolerant	0	3	35	5	10	31	18	5	25	20	41	52	62
Total Number Moderate	0	0	0	1	0	0	0	0	1	22	0	1	30
Total Number Facultative	0	1	30	20	27	16	7	30	17	12	4	22	16
Total Number Tolerant	302	13	34	33	9	2	21	19	27	5	29	14	26
STREAM CLASSIFICATION	P	UB	UB	SP	UB	B	UB	SP	UB	UB	B	B	UB

TAXA	MILL CREEK SYSTEM (BI)						SUGAR CREEK CENTRAL (BI)		BIG CREEK (BJ)				
	BHF-11	BHFZ-10	BHFZ-11	BHFZ-12	BHFZ-13	BHG-10	BHI-10	BHL-10	BHZ-10	BIB-10	BIB-11	BJ-01	RJ-10
INTOLERANT													
Amphipoda	-	-	-	-	-	1	-	-	-	-	-	-	-
Calopterygidae	-	-	-	-	-	-	5	-	-	-	-	-	-
Decapoda	28	-	-	3	17	5	9	17	2	5	22	-	-
Ephemeroptera	-	-	-	3	-	-	2	-	1	1	-	75	37
Gonobasids	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	1	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	-
MODERATE													
Anisoptera	-	-	-	-	1	-	2	-	-	-	-	-	-
Coenagrionidae	-	-	-	-	-	-	-	-	1	-	-	1	-
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydropsychidae	-	-	-	1	-	4	-	-	-	-	-	6	16
Isopoda	-	-	-	-	-	-	-	-	-	-	-	-	-
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Palaeomonidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	-	-	-	-	-	-	-	1
Sphaeriidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Tricladida	-	-	-	-	-	-	-	-	-	-	-	-	-
FACULTATIVE													
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-
Caenidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Coleoptera	4	-	2	6	-	-	5	2	4	-	6	2	2
Ephemeriidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrissia	-	-	-	-	-	2	2	-	-	3	-	-	-
Heteroptera	3	-	-	5	-	4	3	11	40	100	35	-	-
Nematomorpha	-	-	-	-	-	-	-	1	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non-Physa)	-	-	-	-	-	-	1	-	-	-	-	-	-
TOLERANT													
Chironomidae	12	500	10	12	-	23	11	12	10	50	3	30	9
Diptera (other)	-	500	15	-	-	-	1	2	9	-	-	-	-
Hirudinea	-	-	-	-	-	-	-	-	-	2	-	-	-
Oligochaeta	-	-	-	-	1	4	-	-	-	-	-	1	-
Physa	60	-	1	21	18	-	14	1	40	3	1	-	2
TOTAL NUMBER OF ORGANISMS													
Total Number Unclassified	107	1,000	28	51	37	43	55	47	107	164	67	115	67
Total Number Intolerant	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Number Moderate	28	0	0	6	17	6	16	18	3	6	22	75	37
Total Number Facultative	0	0	0	1	1	4	2	0	1	0	0	7	17
Total Number Tolerant	7	0	2	11	0	6	11	14	44	103	41	2	2
	72	1,000	26	33	19	27	26	15	59	55	4	31	11
STREAM CLASSIFICATION													
	UB	P	SP	UB	UB	UB	UB	UB	SP	SP	UB	B	B

TAXA	BIG CREEK (BJ)														
	BJ-11	BJ-12	BJ-13	BJA-10	RJAZ-10	RJAZ-11	RJR-10	RJB-11	BJB-12	BJB-13	BJB-14	BJB-15	BJBB-10	BJBB-11	
INTOLERANT															
Amphipoda	3	-	-	-	-	-	-	-	-	3	10	-	-	-	
Calopterygidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Decapoda	4	2	3	11	-	-	10	6	3	4	8	10	2	4	
Ephemeroptera	28	4	1	10	-	-	4	30	7	8	-	1	1	-	
Gonobasis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Trichoptera	-	-	1	-	-	-	1	1	-	-	-	-	-	-	
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MODERATE															
Anisoptera	-	-	-	-	-	-	-	-	-	-	-	1	-	-	
Coenagrionidae	-	1	-	-	-	-	1	-	-	-	-	-	-	-	
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hydropsychidae	22	1	5	11	-	-	-	1	4	4	-	-	-	-	
Isopoda	-	-	4	-	-	-	-	-	-	-	-	-	-	-	
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Palaeonidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Simuliidae	-	-	8	-	-	-	-	-	-	1	-	-	-	-	
Sphaeriidae	-	-	2	-	-	-	1	-	1	-	-	-	-	-	
Tricladida	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FACULTATIVE															
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Caenidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Coleoptera	15	1	10	4	-	-	-	1	3	10	1	3	8	1	
Ephemeriidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ferriassia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Heteroptera	17	4	15	6	-	-	3	6	1	3	5	14	13	6	
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Snails (non-Physa)	-	-	3	-	-	-	-	-	-	-	-	1	-	1	
TOLERANT															
Chironomidae	8	13	14	8	1,000	50	4	11	2	-	4	8	3	2	
Diptera (other)	-	3	-	1	-	2	-	-	4	-	1	-	-	3	
Hirudinea	-	-	-	-	-	-	-	-	-	2	-	-	-	-	
Oligochaeta	5	-	-	-	-	-	-	-	-	-	-	-	5	1	
Physa	10	3	40	12	-	-	2	1	1	28	19	35	5	50	
TOTAL NUMBER OF ORGANISMS															
Total Number Unclassified	112	32	106	63	1,000	52	26	57	26	63	48	73	37	68	
Total Number Intolerant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Number Moderate	35	6	5	21	0	0	15	37	10	15	18	11	3	4	
Total Number Facultative	22	2	19	11	0	0	2	1	5	5	0	1	0	0	
Total Number Tolerant	32	5	28	10	0	0	3	7	4	13	6	18	21	8	
Total Number Tolerant	23	19	54	21	1,000	52	6	12	7	30	24	43	13	56	
STREAM CLASSIFICATION															
	UB	UB	SP	UB	P	P	B	B	UB	UB	UB	UB	SP	SP	

TAXA	BIG CREEK (BJ)	
	BJBZ-10	
INTOLERANT		
Amphipoda	-	
Calopterygidae	-	
Decapoda	11	
Ephemeroptera	-	
<i>Gonobasis</i>	-	
Hydracarina	-	
Plecoptera	-	
Trichoptera	-	
Unionidae	-	
MODERATE		
Anisoptera	2	
Coenagrionidae	-	
Ephemeroptera	-	
Hydropsychidae	-	
Isopoda	-	
Megaloptera	-	
Palaeonidae	-	
Simuliidae	-	
Sphaeriidae	-	
Tricladida	-	
FACULTATIVE		
Bryozoa (colonies)	-	
Caenidae	-	
Coleoptera	2	
Ephemeridae	-	
<i>Ferriassa</i>	-	
Heteroptera	50	
Nematomorpha	-	
Porifera	-	
Snails (non- <i>Physa</i>)	-	
TOLERANT		
Chironomidae	22	
Diptera (other)	-	
Hirudinea	1	
Oligochaeta	-	
<i>Physa</i>	-	
TOTAL NUMBER OF ORGANISMS		
Total Number Unclassified	88	
Total Number Intolerant	0	
Total Number Moderate	11	
Total Number Facultative	2	
Total Number Tolerant	52	
	23	
STREAM CLASSIFICATION		
	UB	

TAXA	BIG CREEK (BJ)				ASHMORE CREEK (BK)			CLEAR CREEK (BL)					
	BJC-10	BJC-11	BJC-12	BJC-13	RJD-10	BJZ-10	BJZ-11	BK-10	BK-11	BL-10	BL-11	BL-12	BL-13
INTOLERANT													
Amphipoda	1	-	-	-	-	-	-	-	-	8	-	-	30
Calopterygidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Decapoda	1	4	4	-	8	15	3	-	21	1	6	2	6
Ephemeroptera	36	5	6	25	-	-	-	-	-	41	15	2	4
<i>Gonibasis</i>	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	1	-
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	-
MODERATE													
Anisoptera	-	1	-	-	-	10	11	-	1	-	4	1	-
Coenagrionidae	-	-	-	-	-	1	8	-	-	-	2	-	30
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydropsychidae	35	4	3	-	-	-	-	-	-	1	-	-	-
Isopoda	-	-	-	-	-	-	-	-	-	-	-	-	-
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Palaeomonidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	1	-	-	-	-	-	-	-	-	-
Sphaeriidae	-	-	-	-	-	2	4	-	9	-	-	-	-
Tricladida	8	-	-	-	-	-	-	-	-	-	-	-	-
FACULTATIVE													
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-
Caenidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Coleoptera	12	11	12	1	11	20	11	1	1	1	16	2	6
Ephemeridae	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Ferrissia</i>	-	-	-	-	-	-	-	-	-	-	-	1	-
Heteroptera	2	5	2	15	26	52	50	3	11	6	1	3	3
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non- <i>Physa</i>)	-	-	-	-	-	-	-	-	1	-	2	-	13
TOLERANT													
Chironomidae	12	15	8	7	-	-	100	100	8	18	21	5	7
Diptera (other)	-	-	-	-	-	-	5	-	-	-	1	3	-
Hirudinea	-	-	-	-	-	-	-	-	-	-	-	-	-
Oligochaeta	-	-	-	-	1	-	-	-	-	7	-	-	-
<i>Physa</i>	1	1	7	60	5	4	14	100	18	1	18	7	11
TOTAL NUMBER OF ORGANISMS													
Total Number Unclassified	108	46	42	109	51	104	206	204	70	84	86	27	110
Total Number Intolerant	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Number Moderate	38	9	10	25	8	15	3	0	21	50	21	5	40
Total Number Facultative	43	5	3	1	0	13	23	0	10	1	6	1	30
Total Number Tolerant	14	16	14	16	37	72	61	4	13	7	19	6	22
Total Number Tolerant	13	16	5	67	6	4	119	200	26	26	40	15	18
STREAM CLASSIFICATION													
	UB	UB	UB	UB	UB	UB	SP	UB	UB	B	UB	UB	UB

TAXA	CLEAR CREEK (BL)				SUGAR CREEK NORTH (BM)									
	BL-14	BLB-10	BLB-11	BLB-12	BM-01	BM-11	BM-12	BM-13	BM-14	BM-15	BM-16	BM-17	BM-18	
INTOLERANT														
Amphipoda	10	1	2	-	-	7	-	5	4	-	7	5	-	
Calopterygidae	-	-	-	-	7	1	-	-	-	-	-	-	-	
Decapoda	1	8	3	50	2	-	1	-	-	-	-	-	-	
Ephemeroptera	4	3	1	-	7	23	3	2	-	1	4	9	-	
<i>Gonolobus</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-	
plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	
Trichoptera	-	-	-	-	-	-	-	-	2	-	-	-	-	
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	-	
MODERATE														
Anisoptera	-	-	-	-	2	-	-	-	-	-	-	-	-	
Coenagrionidae	-	-	-	-	-	1	2	2	2	-	15	-	-	
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hydropsychidae	-	-	-	-	100	21	17	16	-	-	-	1	1	
Isopoda	-	-	-	-	-	-	-	-	-	-	-	-	-	
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-	
Palaemonidae	-	-	-	-	-	-	-	-	-	-	-	-	-	
Simuliidae	-	-	-	-	-	-	-	16	30	-	-	-	-	
Sphaeriidae	-	-	-	-	1	-	-	-	-	-	-	-	-	
Tricladida	-	-	-	-	4	2	-	-	-	-	-	-	-	
FACULTATIVE														
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-	
Caenidae	-	-	-	-	4	-	-	-	-	-	-	-	-	
Coleoptera	1	3	10	8	7	3	4	3	13	3	26	-	1	
Ephemeridae	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Ferrissia</i>	-	-	-	-	4	-	1	-	-	-	-	-	-	
Heteroptera	7	18	7	12	7	18	-	12	4	-	1	5	-	
Nematomorpha	-	-	-	1	-	-	-	-	-	-	-	-	-	
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-	
Snails (non- <i>Physa</i>)	-	6	-	-	-	-	-	-	-	-	-	-	-	
TOLERANT														
Chironomidae	30	1	6	3	4	7	18	37	500	100	110	55	7	
Diptera (other)	1	1	2	2	1	1	1	2	-	-	-	-	-	
Hirudinea	-	-	-	-	1	-	-	-	4	1	-	-	-	
Oligochaeta	1	-	-	-	-	-	2	2	4	1	2	9	2	
<i>Physa</i>	3	10	10	8	-	1	11	4	15	-	40	15	-	
TOTAL NUMBER OF ORGANISMS														
Total Number Unclassified	58	51	41	84	151	85	60	101	578	106	205	99	11	
Total Number Intolerant	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Number Moderate	0	0	6	50	16	31	4	7	6	1	11	14	0	
Total Number Facultative	8	27	17	21	107	24	19	34	32	0	15	1	1	
Total Number Tolerant	35	12	18	13	22	21	5	15	17	3	27	5	1	
					6	9	32	45	523	102	152	79	9	
STREAM CLASSIFICATION														
	UB	UB	UB	B	UB	UB	SP	SP	SP	SP	SP	UB	SP	

TAXA	SUGAR CREEK NORTH (BM)		BROUTILLET'S CREEK (BN)											
	BM-19	BM-20	BMC-10	BN-10	BN-11	BNB-10	BNB-11	BNB-12	BNB-13	BNB-14	BNB-15	BNBB-10	BNBB-11	
INTOLERANT														
Amphipoda	-	35	-	-	15	1	22	31	19	1	12	-	-	-
Calopterygidae	-	-	-	-	-	1	2	-	-	-	2	2	-	-
Decapoda	-	-	-	-	-	1	-	1	-	1	5	2	-	-
Ephemeroptera	2	-	-	20	12	18	3	1	-	-	5	22	-	-
<i>Goniodontia</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MODERATE														
Anisoptera	-	1	-	-	-	-	-	1	-	1	-	2	-	-
Coleoptera	-	13	-	-	3	6	21	4	-	9	75	4	2	-
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydropsychidae	-	-	-	-	-	-	18	32	-	7	5	25	2	-
Isopoda	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Palaeomonidae	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Sphaeriidae	-	4	-	-	-	-	-	1	-	17	6	-	-	-
Tricladida	-	-	-	2	2	5	-	-	-	3	-	4	-	-
FACULTATIVE														
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Caenidae	4	1	-	-	-	-	4	1	-	-	-	-	-	-
Coleoptera	-	8	-	60	18	7	9	5	2	10	5	15	2	-
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Ferriaria</i>	-	-	-	1	1	1	-	-	-	-	-	-	-	-
Heteroptera	-	100	1	4	8	9	17	3	2	26	10	10	-	-
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non-Physa)	-	-	-	-	-	-	-	-	6	4	-	-	-	-
TOLERANT														
Chironomidae	18	17	11	20	52	5	5	3	150	8	-	10	37	-
Diptera (other)	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Hirudinea	-	-	-	-	-	-	-	-	1	4	-	-	-	-
Oligochaeta	16	-	-	2	2	-	1	-	2	-	-	-	1	-
<i>Physa</i>	14	6	-	4	3	4	10	-	46	12	3	4	1	-
TOTAL NUMBER OF ORGANISMS														
Total Number Unclassified	54	186	12	113	116	58	112	84	228	103	128	100	45	-
Total Number Intolerant	0	0	0	0	0	0	0	0	0	0	0	0	0	-
Total Number Moderate	2	35	0	20	27	21	27	33	19	2	24	26	0	-
Total Number Facultative	0	18	0	2	5	11	39	39	0	37	86	35	4	-
Total Number Tolerant	4	109	1	65	27	17	30	9	10	40	15	25	2	-
Total Number Tolerant	48	24	11	26	57	9	16	3	199	24	3	14	39	-
STREAM CLASSIFICATION														
	SP	UB	SP	UB	UB	UB	UB	UB	SP	SP	UB	UB	SP	SP

TAXA	BROUILLET'S CREEK (BN)				LITTLE VERMILION RIVER (BO)									
	BNBC-10	BNC-10	BND-10	BND-10	BND-10	BNE-10	BO-06	BO-16	BO-17	BO-18	BO-19	BO-20	BOD-10	BOE-10
INTOLERANT														
Amphipoda	3	25	5	17	2	17	17	-	4	1	5	-	15	9
Calopterygidae	-	3	2	1	-	-	-	-	-	1	-	-	-	-
Decapoda	-	-	-	-	-	-	1	4	-	-	1	-	-	3
Ephemeroptera	1	5	30	-	-	-	9	8	-	2	1	-	3	-
<i>Goniobasis</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	3	-	-	-	-	-	-	-
MODERATE														
Anisoptera	-	8	-	-	-	-	1	-	1	6	1	2	1	-
Coenagrionidae	-	35	20	43	2	13	13	-	-	9	2	-	-	2
Ephemeroptera	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Hydropsychidae	10	4	-	3	-	-	-	50	-	-	-	-	40	-
Isopoda	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Megaloptera	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Palaemonidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Sphaeriidae	-	37	-	4	-	-	-	-	-	-	-	11	1	8
Tricladida	8	1	6	-	-	-	3	3	-	-	5	-	1	-
FACULTATIVE														
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Caenidae	2	2	-	-	2	-	-	-	-	2	-	-	1	2
Coleoptera	2	-	5	1	4	12	12	7	5	45	27	13	40	-
Ephemeridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Ferriassa</i>	-	-	-	-	-	3	3	-	-	-	-	-	-	-
Heteroptera	-	27	5	20	40	5	5	17	-	29	12	23	3	-
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non- <i>Physa</i>)	-	6	-	1	-	4	4	-	-	-	-	4	-	-
TOLERANT														
Chironomidae	4	37	20	12	10	12	12	3	-	7	-	4	7	90
Diptera (other)	4	-	-	-	-	-	-	-	2	-	-	-	-	1
Hirudinea	-	-	-	-	-	-	-	-	-	-	-	2	-	-
Oligochaeta	7	-	-	-	-	-	-	-	10	-	3	-	-	1
<i>Physa</i>	3	24	1	6	40	7	7	2	-	20	1	7	1	15
TOTAL NUMBER OF ORGANISMS														
Total Number Unclassified	45	214	95	108	100	90	94	22	124	58	66	114	132	
Total Number Intolerant	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Number Moderate	19	85	27	50	2	17	53	1	17	8	13	43	10	
Total Number Facultative	4	35	10	22	46	24	24	5	76	39	40	45	3	
Total Number Tolerant	18	61	21	18	50	19	5	12	27	4	13	8	107	
STREAM CLASSIFICATION														
	SP	UB	UB	UB	SP	UB	UB	UB	SP	UB	SP	UB	UB	SP

TAXA	LITTLE VERMILION RIVER (BO)					VERMILION RIVER SYSTEM (BP)							
	BOH-10	BOZ-10	BOZ-11	BOZ-12	BOZ-13	ROZ-14	BP-01	BP-11	BP-12	BPE-10	BPE-11	BPE-12	BPE-13
INTOLERANT													
Amphipoda	3	-	2	-	-	3	-	-	1	-	-	-	-
Calopterygidae	4	-	3	-	-	-	-	-	1	-	-	-	-
Decapoda	-	-	-	-	-	-	-	3	7	25	2	1	-
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Goniobasis</i>	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	-	-	2	-	-	-	-
MODERATE													
Anisoptera	13	-	-	-	-	-	3	-	2	15	6	4	-
Coenagrionidae	11	-	1	-	7	1	30	30	-	2	5	2	-
Ephemeroptera	1	-	-	-	-	-	-	-	-	-	-	-	-
Hydropsychidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopoda	-	-	1	-	-	-	-	-	-	15	-	5	-
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Palaeomonidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	1	-	-	-	-	-	-	-	-	-	-
Sphaeriidae	4	-	-	-	-	1	-	3	-	6	-	-	-
Tricladida	-	-	2	-	-	-	-	-	-	6	-	-	-
FACULTATIVE													
Bryozoa (colonies)	-	-	-	-	-	-	-	15	-	-	-	-	-
Caenidae	-	-	-	-	-	-	-	3	-	-	-	-	-
Coleoptera	16	-	2	-	-	19	20	10	4	4	2	-	4
Ephemeridae	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Ferrissia</i>	-	-	-	-	-	-	-	150	5	-	-	-	-
Heteroptera	22	-	3	-	-	19	3	30	12	10	-	5	-
Nematomorpha	1	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non- <i>Physa</i>)	-	-	-	-	-	-	1	10	-	1	20	-	-
TOLERANT													
Chironomidae	3	2	2	-	50	-	10	3	1	30	300	50	30
Diptera (other)	-	-	-	1	-	-	-	-	-	4	20	60	100
Hirudinea	-	-	-	-	-	-	-	-	-	-	-	-	-
Oligochaeta	-	18	3	-	1	-	-	-	-	60	-	20	-
<i>Physa</i>	13	15	-	12	20	43	20	15	-	10	20	30	12
TOTAL NUMBER OF ORGANISMS													
Total Number Unclassified	91	35	20	13	78	86	90	272	35	188	375	177	146
Total Number Intolerant	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Number Moderate	7	0	5	0	0	3	3	3	11	25	2	1	0
Total Number Facultative	29	0	5	0	7	2	33	33	2	44	11	11	0
Total Number Tolerant	39	0	5	0	0	38	24	218	21	15	22	5	4
Total Number Tolerant	16	35	5	13	71	43	30	18	1	104	340	160	142
STREAM CLASSIFICATION													
	SP	P	UB	P	P	SP	SP	SP	UB	UB	SP	SP	P

VERMILION RIVER SYSTEM (BP)

TAXA	BPE-14	BPE-15	BPEA-10	BPEZ-10	BPEZ-11	BPF-10	BPF-11	BPF-12	BPF-13	BPF-14	BPF-15	BPF-10	BPF-11	BPG-06
INTOLERANT														
Amphipoda	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Calopterygidae	-	-	6	-	-	15	-	-	-	-	-	-	-	-
Decapoda	-	-	-	-	1	2	-	-	-	1	1	-	-	-
Ephemeroptera	-	3	-	3	40	18	-	15	-	8	-	-	-	25
<i>Goniobasis</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MODERATE														
Anisoptera	-	-	2	3	60	-	1	-	1	1	1	-	-	1
Coenagrionidae	-	10	3	-	8	10	-	8	30	4	1	5	-	1
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydropsychidae	-	-	-	-	-	25	-	2	-	-	3	-	-	-
Isopoda	-	50	3	100	5	10	-	-	-	-	-	-	-	-
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Palaemonidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	50	-	-	-	-	-	-	-	-
Sphaeriidae	-	20	-	-	40	-	-	-	-	10	6	-	-	-
Tricladida	-	-	-	25	5	20	250	25	-	-	-	-	-	8
FACULTATIVE														
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Caenidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coleoptera	-	4	3	-	30	3	-	5	5	8	8	-	-	3
Ephemeridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Ferrissia</i>	-	-	-	-	-	-	-	-	-	10	-	-	-	-
Heteroptera	-	28	15	20	15	4	10	30	60	25	40	-	-	40
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non-Physa)	-	-	-	-	-	-	-	2	-	-	4	-	5	6
TOLERANT														
Chironomidae	-	5	-	2	30	3	-	-	-	-	-	-	-	-
Diptera	-	1	2	1	1	1	-	5	-	2	1	-	-	-
Hirudinea	-	-	-	-	3	-	-	-	-	-	-	-	-	-
Oligochaeta	-	-	-	-	-	-	15	-	-	-	-	10	30	-
<i>Physa</i>	-	30	-	30	40	3	-	2	3	1	10	10	30	20

TOTAL NUMBER OF ORGANISMS														
Total Number Unclassified	0	151	34	184	278	164	276	94	99	72	75	25	65	109
Total Number Intolerant	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Number Moderate	0	3	6	3	41	35	0	15	0	9	1	0	0	30
Total Number Facultative	0	80	8	128	118	115	251	35	31	15	11	5	0	10
Total Number Tolerant	0	32	18	20	45	7	10	37	65	45	52	0	5	49
	0	36	2	33	74	7	15	7	3	3	11	20	60	20
STREAM CLASSIFICATION														
	P	SP	UB	SP	UB	UB	SP	UB	SP	UB	SP	SP	SP	UB

TAXA	BPGCZ-10	BPGCZ-11	BPGD-10	BPGD-11	BPGD-12	BPGZ-10	BPGZ-11	BPI-10	BPI-11	BPI-12	BPIZ-10	BPIZ-11	BPIZ-12	BPJ-03
VENUWILLIUM RIVER STATION (UP)														
INTOLERANT														
Amphipoda	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calopterygidae	-	2	-	-	-	-	5	-	-	-	-	-	-	-
Decapoda	-	-	-	1	-	-	1	-	-	-	-	-	-	1
Ephemeroptera	-	-	-	4	-	-	-	-	4	7	-	-	7	19
<i>Giantobasis</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	15
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MODERATE														
Anisoptera	-	-	-	4	-	-	1	-	-	-	-	-	1	-
Coenagrionidae	20	20	-	-	25	-	3	-	-	-	3	-	40	3
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	-	30
Hydropsychidae	-	3	-	-	-	-	-	-	-	25	-	-	-	115
Isopoda	-	-	-	-	-	-	-	2	5	50	4	-	30	-
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Palaeomonidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Sphaeriidae	-	1	-	-	2	12	1	-	-	-	30	-	40	-
Tricladida	-	10	-	-	-	25	-	-	25	4	100	-	-	10
FACULTATIVE														
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	2	+
Caenidae	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Coleoptera	1	2	20	40	-	2	3	-	-	1	-	-	25	-
Ephemeridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Perrissia</i>	-	-	-	-	-	-	4	-	-	-	-	-	2	-
Heteroptera	5	18	-	-	-	33	28	4	-	20	4	-	9	-
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non- <i>Physa</i>)	-	-	-	-	-	-	-	-	3	-	5	-	1	-
TOLERANT														
Chironomidae	-	-	300	20	-	1	5	-	100	20	-	5	10	5
Diptera (other)	-	-	50	10	-	-	2	-	2	-	-	10	4	-
Hirudinea	-	-	-	20	1	-	-	1	-	-	-	-	-	-
Oligochaeta	-	-	5	100	-	-	-	-	-	-	-	-	-	-
<i>Physa</i>	5	10	6	50	5	8	-	100	20	6	15	-	50	1
TOTAL NUMBER OF ORGANISMS	31	66	381	249	33	81	53	107	159	133	161	15	221	201
Total Number Unclassified	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Number Intolerant	0	2	0	5	0	0	6	0	4	7	0	0	7	35
Total Number Moderate	20	34	0	4	27	37	5	2	30	79	137	0	111	159
Total Number Facultative	6	20	20	40	0	35	35	4	3	21	9	0	39	1
Total Number Tolerant	5	10	361	200	6	9	7	101	122	26	15	15	64	6
STREAM CLASSIFICATION	SP	SP	P	SP	SP	SP	UB	SP	SP	SP	SP	P	SP	UB

TAXA	BPJ-27	BPJA-10	BPJA-11	BPJA-12	BPJB-10	BPJB-11	BPJB-12	BPJBA-10	BPJBZ-10	BPJBZ-11	BPJBZ-12	BPJC-01	BPJC-03
INTOLERANT													
Amphipoda	-	8	175	40	55	-	-	-	-	-	-	-	-
Calopterygidae	-	1	-	-	-	-	13	-	-	-	1	2	-
Decapoda	-	2	-	-	2	-	1	2	-	-	1	-	-
Ephemeroptera	1	35	2	4	15	-	9	-	-	1	1	-	-
Goniobasis	-	-	-	-	-	-	-	-	-	-	-	-	-
Ilyeracarina	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	50	4	-	20	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	1	1	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	-
MODERATE													
Anisoptera	1	-	7	5	-	4	4	1	1	-	-	-	2
Coenagrionidae	1	3	45	5	13	9	21	35	8	-	6	4	3
Ephemeroptera	1	20	-	-	-	4	1	2	2	-	-	-	-
Hydropsychidae	-	1	-	3	50	-	-	25	-	-	7	-	-
Isopoda	-	3	16	-	-	-	-	-	-	1	-	-	3
Megaloptera	-	-	-	-	4	-	1	-	-	-	-	-	-
Palaeomonidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Sphaeriidae	-	1	11	6	20	-	10	-	-	10	-	15	-
Tricladida	-	-	-	-	5	-	-	-	-	-	30	-	6
FACULTATIVE													
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-
Caenidae	-	2	-	-	2	-	3	3	1	-	-	-	-
Coleoptera	1	16	16	-	45	1	9	4	5	-	1	6	2
Ephemeridae	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrissia	-	-	-	-	-	-	-	-	-	-	-	-	-
Heteroptera	100	-	21	1	-	8	4	4	2	3	-	-	1
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non-Physa)	3	-	1	-	-	-	1	-	-	-	-	-	-
TOLERANT													
Chironomidae	12	4	4	-	1	1	5	1	20	3	20	4	55
Diptera (other)	-	10	2	-	-	-	-	-	-	-	-	-	-
Hirudinea	-	-	-	-	-	-	-	-	-	2	-	-	3
Oligochaeta	14	-	-	-	-	-	-	-	-	3	-	6	50
Physa	9	1	31	3	5	3	12	15	4	1	-	2	1
TOTAL NUMBER OF ORGANISMS													
Total Number Unclassified	143	157	335	68	238	30	94	92	43	24	66	412	126
Total Number Intolerant	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Number Moderate	1	96	181	45	93	0	23	63	0	11	2	0	0
Total Number Facultative	3	28	79	19	92	17	37	11	11	17	43	4	14
Total Number Tolerant	104	18	38	1	47	9	17	11	8	3	1	6	3
Total Number Tolerant	35	15	37	3	6	4	17	16	24	9	20	402	109
STREAM CLASSIFICATION													
	SP	B	B	B	UB	SP	UB	SP	SP	SP	SP	SP	SP

VERMILION RIVER SYSTEM (BP)

TAXA BPJC-04 BPJC-14 BPJC-15 BPJC-16 BPJC-17 BPJC-18 BPJCA-10 BPJCA-11 BPJCA-12 BPJCZ-10 BPJCZ-11 BPJCZ-12 BPJD-10 BPJD-11

INTOLERANT

Amphipoda	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calopterygidae	2	-	-	-	-	-	-	-	-	-	1	-	-	5
Decapoda	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Ephemeroptera	-	-	-	3	-	3	-	-	-	-	-	30	-	3
<i>Gonobasis</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-

MODERATE

Anisoptera	1	-	-	12	-	8	5	-	-	-	8	3	6	6
Coenagrionidae	2	-	5	5	1	12	14	4	-	-	1	-	9	9
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	3	12	12
Hydropsychidae	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Isopoda	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Palaeomonidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sphaeriidae	-	-	-	-	-	1	-	-	-	-	-	-	5	5
Tricladida	-	-	-	-	90	9	-	-	-	-	-	-	-	-

FACULTATIVE

Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Caenidae	-	-	-	1	-	2	-	-	-	-	-	-	-	-
Coleoptera	-	3	1	7	9	26	-	-	-	1	-	1	2	2
Ephemeridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Ferrissia</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heteroptera	4	-	8	85	-	13	-	-	-	-	13	-	1	1
Nematomorpha	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non-Physa)	-	-	-	-	2	8	-	-	-	1	-	-	1	1

TOLERANT

Chironomidae	25	100	1	5	18	75	3	1	-	25	-	4	8	8
Diptera (other)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hirudinea	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oligochaeta	7	200	-	1	6	11	2	10	-	-	2	10	1	-
<i>Physa</i>	2	2	-	-	-	3	30	30	-	-	-	1	-	-

TOTAL NUMBER OF ORGANISMS

Total Number Unclassified	46	305	15	119	126	171	54	45	0	26	5	32	43	53
Total Number Intolerant	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Number Moderate	5	0	0	3	0	3	0	0	0	0	0	1	30	8
Total Number Facultative	3	0	5	17	91	30	19	4	0	0	1	8	6	33
Total Number Tolerant	4	3	9	93	11	49	0	0	0	1	2	13	1	4
	34	302	1	6	24	89	35	41	0	25	2	10	6	8

STREAM CLASSIFICATION

UB B SP SP P P SP SP

UB

UB

VERMILION RIVER SYSTEM (BP)

TAXA	BPJZ-11	BPJZ-12	BPJZ-13	BPJZ-14	BPJZ-15	BPJZ-10	BPJZ-11	BPJZ-12	BPJZ-13	BPJZ-14	BPJZ-15	BPJZ-16	BPK-04	BPK-05
INTOLERANT														
Amphipoda	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calopterygidae	-	-	-	-	-	-	-	-	-	1	3	-	-	-
Decapoda	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Ephemeroptera	-	-	-	-	-	8	-	-	8	-	-	-	93	38
<i>Gonothata</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MODERATE														
Anisoptera	6	-	-	-	-	-	1	-	12	11	-	2	-	3
Coenagrionidae	20	-	-	-	-	-	-	-	6	47	4	3	3	5
Ephemeroptera	-	-	-	-	-	-	-	-	-	4	3	-	91	2
Hydropsychidae	-	-	-	-	-	-	-	-	-	-	-	-	46	-
Isopoda	-	-	-	-	-	25	3	5	-	1	1	4	-	-
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	4	-
Palaeonidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Sphaeriidae	8	-	-	-	-	-	-	-	-	2	11	-	-	-
Tricladida	3	1	-	-	-	25	-	-	-	-	-	1	-	-
FACULTATIVE														
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	+	-	-	-	-
Caenidae	-	-	-	-	-	-	-	-	1	-	-	-	-	1
Coleoptera	11	-	-	-	-	-	-	2	1	-	1	11	13	30
Ephemeridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Ferriassa</i>	-	-	-	-	-	-	-	-	-	-	-	-	5	-
Heteroptera	5	-	-	-	-	20	-	-	-	12	14	14	54	58
Nematomorphs	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non-Physa)	-	-	-	-	-	-	-	-	-	-	1	-	-	-
TOLERANT														
Chironomidae	-	19	50	2	2	10	65	5	27	2	2	20	2	6
Diptera (other)	-	1	-	-	-	1	-	-	-	1	-	-	-	1
Ilirudinea	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oligochaeta	-	100	100	200	5	-	-	-	-	1	-	3	-	2
<i>Physa</i>	-	4	19	-	-	6	5	-	-	5	-	-	2	-
TOTAL NUMBER OF ORGANISMS														
Total Number Unclassified	53	125	169	202	7	95	74	12	55	89	40	58	315	147
Total Number Intolerant	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Number Moderate	37	1	0	0	0	8	0	0	8	1	3	0	94	39
Total Number Facultative	16	0	0	0	0	50	0	5	18	65	19	10	145	10
Total Number Tolerant	0	124	169	202	7	17	70	5	27	9	2	23	72	89
STREAM CLASSIFICATION														
	SP	P	P	P	P	SP	SP	SP	UB	SP	SP	SP	UB	UB

VERMILION RIVER SYSTEM (BP)

TAXA	BPK-06	BPK-16	BPK-17	BPK-18	BPK-19	BPK-20	BPK-21	BPK-22	BPK-23	BPK-24	BPKB-10	BPKD-10	BPKF-10	BPKG-10
INTOLERANT														
Amphipoda	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Calopterygidae	-	1	-	-	-	-	-	-	-	4	3	-	-	-
Decapoda	-	3	-	1	1	-	-	1	-	-	1	3	-	3
Ephemeroptera	2	37	50	8	107	17	26	51	45	3	53	3	43	40
Goniatobasis	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MODERATE														
Coenagrionidae	6	-	-	1	4	-	-	-	1	1	-	-	2	-
Ephemeroptera	9	2	7	4	1	1	50	8	31	22	2	-	-	-
Hydropsychidae	-	31	48	46	2	4	17	3	3	5	-	-	-	-
Isopoda	-	56	71	-	38	-	34	23	-	-	36	50	7	38
Megaloptera	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Palaeomonidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	-	-	-	-	-	1	-	-	4
Sphaeriidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tricladida	-	11	2	3	-	1	2	5	-	-	28	7	37	1
FACULTATIVE														
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Caenidae	6	14	1	-	-	7	4	4	2	8	-	4	-	2
Coleoptera	27	23	8	10	13	6	2	16	21	42	77	44	27	16
Ephemeridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perrissia	-	13	3	10	-	-	-	-	-	-	-	-	-	-
Heteroptera	42	3	60	22	135	120	30	56	138	67	9	28	1	9
Nematomorpha	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non-Physa)	-	-	-	-	-	-	-	-	-	-	-	5	-	-
TOLERANT														
Chironomidae	2	9	5	3	2	1	12	7	42	16	14	9	2	7
Diptera (other)	1	-	2	-	-	-	2	-	-	5	3	6	10	1
Hirudinea	-	1	5	-	1	-	-	-	-	-	2	-	-	-
Oligochaeta	1	-	-	-	-	-	-	-	1	-	-	-	-	-
Physa	8	12	2	12	2	2	4	1	22	10	-	1	1	2
TOTAL NUMBER OF ORGANISMS														
Total Number Unclassified	105	218	268	120	307	159	183	175	306	183	229	160	130	123
Total Number Intolerant	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Number Moderate	2	41	50	9	109	17	26	52	45	7	57	6	43	43
Total Number Facultative	15	102	132	54	45	6	103	39	35	28	67	57	46	43
Total Number Tolerant	76	53	72	42	148	133	36	76	161	117	86	81	28	27
Total Number Tolerant	12	22	14	15	5	3	18	8	65	31	19	16	13	10
STREAM CLASSIFICATION														
	SP	UB	UB	SP	UB	UB	UB	UB	UB	SP	UB	SP	UB	UB

TAXA	VERMILION RIVER SYSTEM (BP)												
	BPKI-10	BPKI-11	BPKI-12	BPKM-10	BPKM-11	BPKM-12	BPKMZ-10	BPKMZ-11	BPKN-10	BPKN-11	BPKN-12	BPKNZ-10	BPKNZ-11
INTOLERANT													
Amphipoda	-	-	-	4	5	30	110	-	-	-	-	-	-
Calopterygidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Decapoda	2	-	-	-	-	-	-	-	-	-	-	-	-
Ephemeroptera	73	24	-	11	12	25	-	6	-	80	1	-	-
Gonobasis	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	5	3	-	-	3	-	14	-	-
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	1
MODERATE													
Anisoptera	4	-	-	2	-	7	11	7	-	3	8	-	-
Coenagrionidae	4	56	32	10	5	5	79	76	4	36	14	43	22
Ephemeroptera	-	-	-	6	-	-	1	-	-	-	-	-	-
Hydropsychidae	-	-	-	-	7	1	-	-	-	-	6	-	2
Isopoda	-	-	-	-	-	-	-	-	-	-	-	-	-
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Palaeomonidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	-	1	2	-	-	1	1	-
Sphaeriidae	-	-	-	-	-	-	1	2	-	-	2	-	-
Tricladida	-	5	-	6	10	-	-	-	-	-	-	-	-
FACULTATIVE													
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-
Caenidae	1	6	2	2	3	2	-	-	-	2	-	4	10
Coleoptera	6	22	9	4	78	31	38	42	3	41	45	5	4
Epimeridae	-	-	-	-	-	-	-	-	-	-	-	-	-
Perissgia	1	-	-	-	-	3	-	-	-	-	2	-	-
Heteroptera	24	34	12	146	15	15	99	27	10	3	10	45	45
Nematomorpha	-	-	-	-	9	2	4	1	-	-	6	-	-
Peorifera	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non-Physa)	-	-	-	-	-	-	-	-	-	2	-	-	-
TOLERANT													
Chironomidae	20	13	33	34	10	10	33	5	7	-	1	2	9
Diptera	1	1	-	8	2	12	-	19	3	-	4	18	3
Hirudinea	-	-	-	-	1	-	4	-	-	-	-	-	-
Oligochaeta	-	-	-	-	-	-	3	-	1	-	-	-	-
Physa	12	5	16	1	-	-	7	22	3	9	3	10	4
TOTAL NUMBER OF ORGANISMS													
Total Number Unclassified	148	166	104	234	162	146	390	209	31	99	113	159	99
Total Number Intolerant	75	24	0	15	22	58	110	6	0	0	0	0	0
Total Number Moderate	8	61	32	24	22	13	92	87	4	39	13	44	24
Total Number Facultative	32	62	23	152	105	53	141	70	13	48	63	84	59
Total Number Tolerant	33	19	49	43	13	22	47	46	14	9	4	30	16
STREAM CLASSIFICATION													
	B	UB	SP	SP	UB	UB	UB	SP	SP	SP	UB	SP	SP

TAXA	VERMILION RIVER SYSTEM (BP)						UNNAMED TRIBUTARIES OF WABASH RIVER (BZ)						
	BPKZ-10	BPKZ-11	BPKZ-12	BPKZ-13	BPKZ-14	BPKZ-15	BZ-10	BZ-11	BZ-12	BZ-13	BZ-14	BZ-15	BZA-10
INTOLERANT													
Amphipoda	2	-	-	-	-	-	13	-	-	4	-	-	1
Calopterygidae	-	-	2	-	-	-	1	-	-	-	1	-	-
Decapoda	-	-	-	-	-	-	4	-	3	16	9	2	-
Ephemeroptera	-	46	38	5	9	-	13	-	-	-	2	1	6
Gonichastis	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	6	11	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	1	-	-	-	-	-	-
MODERATE													
Anisoptera	-	4	12	-	2	-	2	-	-	-	-	-	-
Coenagrionidae	-	60	81	25	6	-	1	-	-	-	-	-	22
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydropsychidae	2	32	-	-	-	-	60	15	4	-	4	-	-
Isopoda	7	-	-	-	-	-	12	6	29	11	-	-	-
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Palaeomonidae	-	-	-	-	-	-	3	-	-	-	-	-	-
Simuliidae	84	2	-	-	-	-	-	8	40	-	-	-	-
Sphaeriidae	-	-	-	-	-	-	1	-	-	-	-	-	-
Tricladida	1	23	45	5	-	-	-	-	-	-	-	-	-
FACULTATIVE													
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-
Caenidae	-	-	9	-	4	-	1	-	-	-	2	-	2
Coleoptera	-	13	12	34	22	-	14	2	2	4	6	-	1
Ephemeriidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Perrillasia	-	-	-	-	-	-	-	-	-	-	-	-	3
Heteroptera	3	75	9	25	41	-	41	5	1	1	32	6	21
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non-Physa)	-	-	-	-	-	-	-	-	-	-	-	-	-
TOLERANT													
Chironomidae	5	10	58	17	11	121	3	1	5	-	2	1	2
Diptera (other)	2	3	-	1	5	6	1	-	-	3	-	120	2
Hirudinea	2	-	3	-	-	-	-	-	-	-	-	-	-
Oligochaeta	1	-	8	-	-	-	-	-	-	1	-	-	-
Physa	-	8	7	126	32	-	2	3	-	-	11	-	2
TOTAL NUMBER OF ORGANISMS													
Total Number Unclassified	115	287	284	238	132	127	173	40	84	40	69	130	62
Total Number Intolerant	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Number Moderate	8	57	40	5	9	0	32	0	3	20	12	3	7
Total Number Facultative	94	121	138	30	8	0	79	29	73	11	4	0	22
Total Number Tolerant	3	88	30	59	67	0	56	7	3	5	40	6	27
	10	21	76	144	48	127	6	4	5	4	13	121	6
STREAM CLASSIFICATION													
	SP	UB	UB	SP	SP	P	UB	SP	SP	B	UB	SP	UB

SMALL NAMED TRIBUTARIES OF WARASHI RIVER (BZJ)

TAXA	BZ1-10	BZ12-10	BZ12-11A	BZ12-11B	BZK-10A	BZK-10B	BZK-11	BZKA-10	BZKA-11	BZK2-10	BZL-10	BZN-10	BZN-11	BZO-10
INTOLERANT														
Amphipoda	-	-	-	-	-	-	-	2	1	-	15	-	4	-
Catopterygidae	-	1	-	-	-	-	-	-	-	9	-	-	-	-
Decapoda	3	14	2	1	3	1	3	11	6	8	-	-	-	-
Ephemeroptera	-	2	9	2	1	16	2	2	-	2	11	8	-	-
<i>Goniatobasis</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MODERATE														
Anisoptera	-	-	2	-	-	-	-	1	17	-	-	-	7	-
Cocnagroniidae	1	2	3	-	1	1	1	4	3	-	1	-	-	-
Ephemeroptera	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Hydropsychidae	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Isopoda	2	1	-	-	-	1	-	13	5	-	-	2	24	-
Megaloptera	-	-	-	-	-	-	-	-	-	-	3	-	-	-
Palaeomonidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	-	-	6	-	-	-	100	-	-
Sphaeriidae	-	3	-	-	-	-	-	-	-	-	-	-	-	-
Tricladida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FACULTATIVE														
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	+	-	-	-
Caenidae	-	4	1	-	1	-	-	2	-	-	-	-	-	-
Colleoptera	1	2	10	-	1	-	16	36	10	7	4	-	1	5
Ephemeroidea	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Pemissia</i>	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Heteroptera	1	19	15	-	4	1	20	10	10	28	4	2	10	4
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	+	-	-	-
Snails (non- <i>Physa</i>)	-	-	-	-	-	-	-	1	-	-	-	-	-	-
TOLERANT														
Chironomidae	-	57	8	12	-	-	16	62	31	25	21	1	-	20
Diptera (other)	-	1	1	3	-	-	2	11	2	2	3	-	1	-
Hirudinea	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Oligochaeta	30	-	1	2	-	-	-	9	35	15	9	-	-	-
<i>Physa</i>	-	25	4	-	1	-	26	8	2	3	4	2	4	-
TOTAL NUMBER OF ORGANISMS														
Total Number Unclassified	38	132	56	20	12	20	86	179	122	101	75	115	51	30
Total Number Intolerant	3	17	11	3	4	17	5	15	7	19	26	8	4	0
Total Number Moderate	3	6	5	0	1	2	1	25	25	2	4	102	31	0
Total Number Facultative	2	26	26	0	6	1	36	49	20	35	8	2	11	9
Total Number Tolerant	30	83	14	17	1	0	44	90	70	45	37	3	5	21
STREAM CLASSIFICATION														
	SP	UB	UB	UB	UB	B	SP	SP	SP	UB	UB	SP	SP	SP

TAXA	SMALL NAMED TRIBUTARIES OF WABASH RIVER (BZ)										LITTLE WABASH RIVER (C)	
	BZO-11	BZO-12	BZ5-10	BZ5-11	BZ5-12	BZT-10	BZH-10	BZU-11	PZUZ-10	BZV-10	C-06	C-10
INTOLERANT												
Amphipoda	33	1	-	-	-	-	1	-	-	3	9	2
Galaterygidae	2	-	-	-	-	-	-	-	-	-	-	-
Decapoda	15	10	17	9	8	11	16	10	5	-	5	3
Ephemeroptera	1	-	3	5	4	-	-	2	1	2	47	3
Goniobasis	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	1	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-
MODERATE												
Anisoptera	1	-	-	-	-	-	-	-	-	6	-	2
Coenagrionidae	-	-	-	3	-	-	-	1	-	10	2	2
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-
Hydropsychidae	-	-	5	-	-	-	-	-	-	-	38	-
Isopoda	-	-	-	-	-	-	17	7	12	1	-	-
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-
Palaeomonidae	-	-	-	-	-	-	-	-	-	-	-	3
Simuliidae	-	-	-	-	-	-	-	-	-	-	10	-
Sphaeriidae	1	-	-	7	-	1	3	-	-	-	3	4
Tricladida	-	-	-	-	-	-	-	-	-	-	-	-
FACULTATIVE												
Bryozoa (colonies)	-	-	-	-	-	-	-	+	-	-	-	-
Cacidae	-	-	-	-	-	-	-	-	-	-	10	5
Colleoptera	2	-	14	1	23	-	2	1	1	37	2	7
Ephemeridae	-	-	-	-	-	-	-	-	-	-	-	3
Periplaneta	-	-	-	-	-	-	-	-	-	-	-	-
Heteroptera	8	20	1	2	6	18	4	4	19	50	-	15
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	32
Porifera	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non-Physa)	1	-	1	17	1	-	-	-	-	-	-	-
TOLERANT												
Chironomidae	14	13	2	1	2	1	11	1	7	16	17	56
Diptera (other)	2	-	1	1	1	5	-	1	7	8	-	-
Hirudinea	-	-	-	1	-	-	-	-	-	-	-	-
Oligochaeta	1	-	-	1	-	-	-	-	-	1	-	1
Physa	27	-	3	76	9	35	10	4	5	-	1	-
TOTAL NUMBER OF ORGANISMS												
Total Number Unclassified	108	44	47	125	54	71	64	31	57	134	146	107
Total Number Intolerant	0	0	0	0	0	0	0	0	0	0	0	0
Total Number Moderate	51	11	20	15	12	11	17	12	6	5	61	17
Total Number Facultative	2	0	5	10	0	1	20	8	12	17	53	7
Total Number Tolerant	11	20	16	20	30	18	6	5	20	87	12	27
	44	13	6	80	12	41	21	6	19	25	20	56
STREAM CLASSIFICATION												
	UB	UB	UB	UB	UB	UB	UE	UB	UB	SP	UB	UB

LITTLE WABASH RIVER (C)

TAXA	C-20	C-21	C-22	C-23	C-24	C-25	C-26	C-27	C-28	C-29	C-30	C-31	C-32	C-33
INTOLERANT														
Amphipoda	-	-	-	-	-	-	-	6	-	8	-	3	-	12
Calopterygidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Decapoda	-	-	-	1	2	2	-	3	1	4	3	8	4	-
Ephemeroptera	16	-	9	20	18	25	1	11	9	17	46	22	22	-
<i>Goniobasis</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	5	-	-	-	3
Unionidae	-	-	-	-	-	6	-	-	-	-	-	-	-	-
MODERATE														
Anisoptera	-	-	-	-	-	-	-	1	-	-	-	-	-	1
Coenagrionidae	5	-	8	2	-	5	-	5	-	13	1	-	1	26
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydropsychidae	20	15	-	30	43	50	-	100	-	-	70	2	9	-
Isopoda	3	1	1	-	-	-	-	-	-	-	-	-	-	-
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Palaeonionidae	25	-	14	22	-	11	1	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	-	-	30	-	-	1	-	-	-
Sphaeriidae	6	-	2	-	-	1	-	4	-	-	16	-	-	-
Tricladida	3	-	-	-	-	-	-	-	-	-	-	-	-	-
FACULTATIVE														
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Caenidae	-	3	4	7	2	3	-	6	4	13	1	9	9	17
Coleoptera	11	30	7	20	28	6	1	22	1	31	2	30	1	7
Ephemeridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Perrissia</i>	-	-	4	-	-	-	-	-	-	-	-	-	-	-
Heteroptera	44	29	43	26	22	55	23	3	-	4	1	3	-	7
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non-Physa)	4	1	6	-	-	-	-	-	-	-	-	-	-	-
TOLERANT														
Chironomidae	6	20	8	4	-	7	-	10	15	1	11	5	20	1
Diptera (other)	3	15	3	-	-	1	-	-	-	-	-	2	-	-
Hirudinea	4	1	-	1	-	-	-	1	-	-	1	-	-	-
Oligochaeta	6	50	2	2	1	10	-	1	6	4	32	-	-	-
<i>Physa</i>	-	3	2	-	-	-	-	-	-	-	-	-	-	1
TOTAL NUMBER OF ORGANISMS														
Total Number Unclassified	156	168	113	135	116	182	26	203	36	100	185	84	66	75
Total Number Intolerant	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Number Moderate	16	0	9	21	20	33	1	20	10	34	49	33	26	15
Total Number Facultative	62	16	25	54	43	67	1	140	0	13	88	2	10	27
Total Number Tolerant	59	63	64	53	52	64	24	31	5	48	4	42	10	31
	19	89	15	7	1	13	0	12	21	5	44	7	20	2
STREAM CLASSIFICATION														
	UB	SP	SP	UB	UB	UB	SP	SP	UB	UB	UB	UB	UB	UB

TAXA	C-34	C-35	C-36	C-37	C-38	C-39	CA-03 ¹	CA-04	CA-14 ¹	CA-15	CA-16	CA-17	CA-18
INTOLERANT													
Amphipoda	25	36	22	13	40	-	-	9	-	1	2	10	2
Calopterygidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Decapoda	2	10	7	13	3	3	-	2	-	2	2	-	6
Ephemeroptera	-	3	12	-	-	-	-	-	2	4	12	-	2
Goniobasis	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	2	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	-	-	-	-	-	1	-
MODERATE													
Anisoptera	-	-	-	1	1	1	-	-	-	-	-	-	-
Coenagrionidae	12	-	-	-	13	-	7	12	5	-	3	12	7
Ephemeroptera	-	-	-	-	-	-	-	1	-	-	-	-	-
Hydropsychidae	-	-	7	-	-	-	-	-	-	-	2	-	-
Isopoda	-	-	-	-	-	-	-	-	-	-	-	-	-
Megaloptera	-	-	-	-	-	4	3	-	-	-	-	-	-
Palaeomonidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Sphaeriidae	-	-	-	-	-	-	1	-	-	-	1	-	2
Tricladida	-	-	-	-	-	-	-	-	-	-	-	-	-
FACULTATIVE													
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-
Caeonidae	8	13	4	3	1	-	1	10	-	1	3	4	1
Coleoptera	6	6	20	1	15	1	2	8	-	5	13	1	5
Ephemeridae	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrissia	-	-	-	-	-	-	-	-	-	-	1	1	1
Heteroptera	1	4	3	5	1	1	-	1	-	100	16	55	20
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non-Physa)	-	-	-	-	-	-	2	-	-	-	-	1	4
TOLERANT													
Chironomidae	9	3	1	3	9	100	33	4	23	2	3	12	1
Diptera (other)	2	-	-	-	1	-	1	-	2	3	-	1	1
Ilirudinea	-	-	-	-	-	-	-	-	-	-	-	-	-
Oligochaeta	-	-	-	-	8	1	11	1	4	-	-	-	-
Physa	5	2	5	19	2	-	2	-	1	-	-	3	6
TOTAL NUMBER OF ORGANISMS													
Total Number Unclassified	70	77	83	58	94	111	63	48	37	118	58	101	58
Total Number Intolerant	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Number Moderate	27	49	43	26	43	3	0	11	2	7	16	11	10
Total Number Facultative	12	0	7	1	14	5	11	13	5	0	6	12	9
Total Number Tolerant	15	23	27	9	17	2	5	19	0	106	33	62	31
	16	5	6	22	20	101	47	5	30	5	3	16	8
STREAM CLASSIFICATION	UB	B	B	UB	UB	SP	SP	UB	SP	SP	UB	UB	UB

Apostrophe (') = plate sample

SKILLET FORK SYSTEM (CA)

TAXA	CA-19	CA-20	CMA-10	CAB-10	CAC-10	CAC-11	CAD-10	CAE-10	CAF-10	CAF-11	CAG-10	CAGB-10	CAGB-11	CAGB-12
INTOLERANT														
Amphipoda	1	-	1	1	1	-	-	9	-	-	-	-	-	-
Calopterygidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Decapoda	4	2	-	3	-	7	-	-	1	-	-	-	2	16
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Goniobasis	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	4	-	-	5	-	-	1	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	-	-	18	-	-	-	-	-
MODERATE														
Anisoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coenagrionidae	-	-	-	1	-	1	1	4	-	7	2	-	1	-
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydropsychidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopoda	1	6	3	3	10	-	2	1	-	-	-	-	-	3
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Palaeonidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sphaeriidae	-	-	-	1	-	-	-	1	1	-	-	-	-	1
Tricladida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FACULTATIVE														
Bryozoa (colonies)	-	-	+	-	-	-	-	-	-	-	-	-	-	-
Caenidae	-	-	3	-	5	-	2	19	1	-	5	2	-	-
Coleoptera	6	5	2	-	-	1	1	7	4	9	1	1	4	-
Ephemeridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Farptasia	-	-	-	-	2	-	-	-	-	-	-	-	-	-
Heteroptera	15	50	1	14	2	6	10	3	7	2	24	6	6	4
Nematomorpha	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non-Physa)	-	-	-	-	-	-	13	-	2	100	-	-	-	-
TOLERANT														
Chironomidae	5	-	2	4	5	8	2	6	8	-	1	1	-	-
Diptera (other)	-	1	-	-	-	-	11	-	-	1	-	-	-	-
Hirudinea	1	-	-	-	1	-	-	-	-	-	-	-	-	-
Oligochaeta	-	-	-	-	4	-	-	2	-	11	-	1	-	-
Physa	-	7	-	3	1	1	1	5	15	200	-	1	1	-
TOTAL NUMBER OF ORGANISMS														
Total Number Unclassified	33	71	13	30	84	24	43	62	58	330	33	13	14	24
Total Number Intolerant	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Number Moderate	5	2	1	4	54	7	0	14	19	0	0	1	2	16
Total Number Facultative	1	6	4	5	10	1	3	6	1	7	2	0	1	4
Total Number Tolerant	21	55	6	14	9	7	26	29	15	111	30	9	10	4
	6	8	2	7	11	9	14	13	23	212	1	3	1	0
STREAM CLASSIFICATION														
	UB	SP	SP	UB	B	UB	SP	UB	UB	SP	SP	SP	UB	B

INTOLERANT

Amphipoda	6	4	-	-	-	1	-	-	1	-	8	2	50
Calopterygidae	-	-	-	-	-	13	7	-	1	-	1	-	-
Decapoda	-	-	-	-	-	-	-	-	1	-	-	2	-
Ephemeroptera	-	-	-	-	-	-	-	-	1	-	-	-	-
Goniobasis	-	-	-	-	-	-	-	-	-	-	-	-	3
Hydracarina	2	1	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	-	8	-	-	-	-	-

MODERATE

Anisoptera	-	-	-	-	-	-	-	-	-	1	-	-	-
Coenagrionidae	38	33	1	1	4	6	-	5	12	2	4	11	12
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	1
Hydropsychidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopoda	5	-	-	-	-	30	2	5	-	-	9	-	1
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Palaeomonidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Sphaeriidae	-	-	-	-	-	-	-	-	-	-	1	-	-
Tricladida	-	-	-	-	-	-	-	-	-	-	-	-	-

FACULTATIVE

Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-
Caenidae	55	41	-	1	155	4	-	35	11	8	12	-	7
Coleoptera	2	5	1	1	3	-	1	21	5	50	4	12	3
Ephemeriidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrissia	-	-	-	-	-	-	-	-	-	-	-	-	-
Heteroptera	8	2	-	4	2	7	25	-	25	5	7	5	4
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non-Phyaa)	-	-	-	-	-	-	-	-	-	-	-	-	-

TOLERANT

Chironomidae	9	7	13	-	-	-	-	1	2	8	3	3	21
Diptera (other)	1	-	-	-	1	-	-	5	4	-	2	-	-
Hirudinea	-	-	-	-	-	-	-	-	-	-	-	1	-
Oligochaeta	1	1	-	-	-	-	-	-	-	-	-	-	-
Phyaa	4	3	1	1	3	1	-	-	5	18	-	57	1

TOTAL NUMBER OF ORGANISMS

Total Number Unclassified	131	97	16	8	168	62	35	16	75	64	92	57	93	103
Total Number Intolerant	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Number Moderate	8	5	0	0	0	14	7	2	8	3	0	15	4	53
Total Number Facultative	43	33	1	1	4	36	2	5	5	12	3	11	11	14
Total Number Tolerant	65	48	1	6	160	11	26	3	56	41	63	23	17	14
	15	11	14	1	4	1	0	6	6	8	26	5	61	22

STREAM CLASSIFICATION

SP	SP	SP	SP	SP	SP	UB	UB	UB	UB	SP	SP	UB	SP	B
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SKILLET FORK SYSTEM (CA)

TAXA	CAGC-16	CAGC-17	CAGCA-10	CAGCZ-10	CAH-10	CAJ-10	CAJ-11	CAJ-12	CAJ-13	CAJ-14A	CAJ-14B	CAJA-10	CAJB-10	CAJC-10
INTOLERANT														
Amphipoda	2	-	3	4	-	5	5	2	1	5	-	17	-	1
Calopterygidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Decapoda	2	12	1	10	1	3	3	-	1	5	-	-	7	4
Ephemeroptera	-	-	-	-	3	8	-	1	-	-	-	-	-	-
Gonobasis	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	1	-	1	-	6	-	-	-	-	4	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thionidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MODERATE														
Anisoptera	-	2	-	-	-	3	1	-	-	-	5	-	-	1
Coenagrionidae	5	-	4	3	-	12	43	4	4	3	5	14	1	1
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydropsychidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopoda	4	-	2	1	1	1	-	-	-	-	-	-	-	-
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Palaeomonidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sphaeriidae	-	-	-	-	-	-	-	1	-	-	-	-	8	-
Tricladida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FACULTATIVE														
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Caenidae	-	-	2	4	6	14	11	15	1	2	-	18	2	7
Collembola	2	-	4	1	8	17	3	-	6	1	1	-	-	1
Ephemeriidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrissia	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heteroptera	-	-	4	9	20	19	6	1	1	6	2	6	24	2
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non-Physa)	-	-	-	-	2	-	-	-	-	-	-	-	-	-
TOLERANT														
Chironomidae	13	1	11	2	80	8	10	5	1	2	15	21	-	3
Diptera	1	1	-	-	-	-	-	-	-	-	6	2	-	-
Hirudinea	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oligochaeta	-	-	-	-	1	-	-	-	-	-	14	5	-	-
Physa	9	4	3	12	27	3	1	1	-	4	-	12	-	21

TOTAL NUMBER OF ORGANISMS	38	20	35	46	150	93	89	30	15	28	48	99	42	41
Total Number Unclassified	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Number Intolerant	4	12	5	14	5	16	14	3	2	10	0	21	7	5
Total Number Moderate	9	2	6	4	1	16	44	5	4	3	10	14	9	2
Total Number Facultative	2	0	10	14	36	50	20	16	8	9	3	24	26	10
Total Number Tolerant	23	6	14	14	108	11	11	6	1	6	35	40	0	24

STREAM CLASSIFICATION	UB	B	UB	UB	SP	UB	UB	UB	UB	UB	SP	UB	UB	UB
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SKILLET FORK SYSTEM (CA)

TAXA	CAJC-11	CAJZ-10	CAK-10	CAK-11	CAK-12	CAK-13	CAK-14	CAK-15	CAKA-10	CAKZ-10	CAKZ-11	CAKZ-12	CAL-10	CAN-10
INTOLERANT														
Amphipoda	1	2	40	-	4	42	-	13	1	-	-	-	-	2
Calopterygidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Decapoda	7	-	2	-	11	-	3	-	-	-	12	2	-	-
Ephemeroptera	-	5	25	3	-	16	-	-	1	-	-	5	1	8
<i>Goniobasis</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	3	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MODERATE														
Anisoptera	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Coenagrionidae	6	5	36	3	12	11	-	150	3	-	-	7	1	26
Ephemeroptera	-	-	-	-	1	-	-	1	6	-	-	-	-	-
Hydropsychidae	-	-	-	-	-	-	-	-	-	-	-	-	-	41
Isopoda	-	2	-	-	-	1	1	-	-	-	-	-	-	-
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Palaeomonidae	-	-	2	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sphaeriidae	-	-	-	2	4	-	1	5	3	-	-	1	-	-
Tricladida	-	-	-	-	-	-	-	-	-	-	-	-	-	1
FACULTATIVE														
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Caenidae	1	7	-	-	-	-	-	5	-	-	-	-	1	-
Coleoptera	1	15	5	11	-	7	10	12	23	50	2	-	39	2
Ephemeridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Ferriessa</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heteroptera	-	30	1	4	16	3	20	5	12	56	2	4	4	-
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non-Physa)	-	-	-	4	-	-	5	-	-	-	-	-	-	-
TOLERANT														
Chironomidae	1	4	7	-	-	9	13	9	-	7	1	1	2	16
Diptera	-	4	-	-	-	-	-	1	2	9	-	-	4	1
Hirudinea	-	-	-	1	1	-	-	3	-	-	1	-	-	-
Oligochaeta	-	-	3	1	-	3	-	-	-	-	-	-	-	-
<i>Physa</i>	22	8	1	3	10	-	5	7	21	5	-	-	30	4

TOTAL NUMBER OF ORGANISMS
 Total Number Unclassified
 Total Number Intolerant
 Total Number Moderate
 Total Number Facultative
 Total Number Tolerant

39	82	125	32	59	92	58	212	72	127	18	20	82	101
0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	7	70	5	15	58	3	13	2	0	12	7	1	10
6	7	38	5	17	12	2	157	12	0	0	8	1	68
2	52	6	19	16	10	35	22	35	106	4	4	44	2
23	16	11	5	11	12	18	20	23	21	2	1	36	21
UB	SP	B	SP	UB	B	SP	SP	UB	SP	B	UB	SP	SP

STREAM CLASSIFICATION

SKILLET FORK SYSTEM (CA)

TAXA	CAN-11*	CAN-12	CANB-10	CANB-11	CANB-12	CANB-13	CANBA-10	CANBAA-10	CANBB-10	CANBZ-10	CANBZ-11	CANB-10	CANBZ-10	CANBZ-11
INTOLERANT														
Amphipoda	-	-	1	1	-	-	-	-	-	-	-	-	-	-
Calopterygidae	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Decapoda	-	3	1	2	-	8	-	20	3	2	6	1	2	-
Ephemeroptera	1	-	17	3	1	1	-	1	-	-	2	-	-	-
Goniobasis	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MODERATE														
Anisoptera	-	-	-	1	1	-	-	1	-	-	1	1	1	-
Coenagrionidae	-	3	-	-	3	-	-	-	-	1	3	-	-	-
Ephemeroptera	-	-	2	-	-	-	-	-	-	-	-	-	-	-
Hydropsychidae	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Isopoda	-	-	2	-	-	-	-	-	-	1	-	-	-	-
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Palaeonidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sphaeriidae	-	-	-	3	4	-	-	4	-	-	-	-	-	-
Tricladida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FACULTATIVE														
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cacidae	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Coleoptera	-	2	6	5	6	7	1	1	2	7	3	3	-	-
Ephemeridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Forissia	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heteroptera	-	6	18	100	2	5	2	15	1	10	8	-	13	2
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non-Physa)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOLERANT														
Chironomidae	28	10	17	15	25	-	6	6	25	30	47	3	-	-
Diptera (other)	2	-	-	4	4	-	1	1	-	-	-	1	-	-
Hirudinea	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Oligochaeta	29	-	1	-	-	-	160	-	-	-	-	-	2	2
Physa	-	3	11	8	3	-	-	1	-	-	5	-	-	-
TOTAL NUMBER OF ORGANISMS														
Total Number Unclassified	60	28	77	143	49	21	170	50	31	52	75	9	6	4
Total Number Intolerant	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Number Moderate	1	3	19	6	1	9	0	21	3	3	8	1	2	0
Total Number Facultative	0	3	4	5	8	0	0	5	0	2	4	1	1	0
Total Number Tolerant	59	9	24	105	8	12	3	16	3	17	11	3	3	2
		13	30	27	32	0	167	8	25	30	52	4	0	2
STREAM CLASSIFICATION														
	P	UB	UB	SP	SP	UB	SP	UB	SP	SP	UB	DRY	DRY	DRY

Apostrophe (') = plate sample

SKILLET FORK SYSTEM (CA)

TAXA	CANE-10	CANZ-10	CAO-10	CAP-10	CAQ-10	CAR-10	CAR-11	CAR-12	CAR-13	CARA-10	CARB-10	CARD-10	CAS-10	CAU-10
INTOLERANT														
Amphipoda	-	-	-	-	2	75	2	8	12	3	11	19	1	-
Calopterygidae	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Decapoda	-	3	1	1	-	-	2	1	7	-	10	1	5	-
Ephemeroptera	-	-	2	-	-	-	1	-	-	-	-	-	8	-
<i>Gonolobasis</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MODERATE														
Anisoptera	-	-	-	-	-	1	-	6	-	1	1	2	11	-
Coenagrionidae	-	1	2	-	2	12	2	2	1	2	6	-	14	-
Ephemeroptera	-	-	-	-	-	-	45	1	-	-	23	3	-	-
Hydropsychidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopoda	-	-	1	1	-	-	-	-	-	3	3	3	3	-
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Palaeomonidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	1	-	1	-	-	20	-	-	-
Sphaeriidae	2	-	2	-	2	-	1	-	1	1	2	14	9	-
Tricladida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FACULTATIVE														
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Caenidae	1	3	3	-	6	2	12	4	1	6	2	16	15	-
Coleoptera	-	-	3	4	3	5	6	32	3	6	9	11	9	-
Ephemeridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Ferriassa</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heteroptera	5	2	6	8	2	75	8	7	6	7	1	5	13	50
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non-Physa)	-	-	-	-	-	-	-	-	12	-	3	-	-	-
TOLERANT														
Chironomidae	2	2	-	1	15	-	7	8	1	1	19	4	8	1
Diptera	1	-	-	-	-	-	-	1	-	-	2	-	1	-
Hirudinea	-	-	-	-	-	2	-	-	-	-	-	-	-	-
Oligochaeta	-	-	-	-	1	-	-	-	-	-	-	-	-	-
<i>Physa</i>	-	1	15	3	-	14	2	6	10	3	3	3	7	-
TOTAL NUMBER OF ORGANISMS														
Total Number Unclassified	11	12	34	18	33	188	88	77	54	33	115	81	105	51
Total Number Intolerant	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Number Moderate	2	1	4	1	4	14	48	10	2	7	55	22	37	0
Total Number Facultative	6	5	12	12	11	82	26	43	22	19	15	32	37	50
Total Number Tolerant	3	3	15	4	16	16	9	15	11	4	24	7	16	1
STREAM CLASSIFICATION														
	SP	UB	SP	SP	SP	UB	SP	UB	UB	SP	UB	UB	UB	SP

SKILLET FORK SYSTEM (CA)

TAXA	CAU-11	CAUA-10	CAV-10	CAV-11	CAVA-10	CAW-10	CAW-11	CAW-12	CAW-13	CAW-14	CAW-15	CAWA-10	CAWB-10	CAWD-10
INTOLERANT														
Amphipoda	-	2	3	-	-	-	38	5	-	5	2	2	30	40
Calopterygidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Decapoda	14	-	-	6	-	-	2	6	-	4	1	7	-	8
Ephemeroptera	-	-	-	-	-	-	2	-	-	-	-	-	-	-
<i>Goniobasis</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MODERATE														
Anisoptera	3	5	-	3	1	-	1	-	-	-	-	2	-	1
Coenagrionidae	-	7	1	2	-	1	6	5	-	-	1	-	9	13
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydropsychidae	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Isopoda	-	-	-	-	-	1	-	-	1	1	-	-	1	-
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Palaeonidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sphaeriidae	-	5	-	-	4	-	-	-	-	-	-	6	-	4
Tricladida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FACULTATIVE														
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cnidaria	1	-	1	16	-	2	11	-	-	1	1	1	3	12
Coleoptera	1	2	13	10	20	1	5	2	15	3	-	2	1	11
Ephemeridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Ferrissia</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heteroptera	5	10	5	17	20	7	28	2	25	12	1	30	16	30
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non-Physa)	-	-	-	-	-	-	-	-	-	-	-	1	-	-
TOLERANT														
Chironomidae	31	9	7	8	5	1	4	22	2	-	-	3	150	5
Diptera (other)	-	-	5	2	-	1	2	-	3	-	1	-	2	2
Hirudinea	-	2	-	-	-	-	-	-	1	-	-	-	-	1
Oligochaeta	-	-	1	9	-	-	-	2	-	-	1	-	-	-
<i>Physa</i>	18	31	35	55	100	5	4	4	-	10	4	20	1	11
TOTAL NUMBER OF ORGANISMS														
Total Number Unclassified	73	73	71	128	150	25	104	48	47	36	12	75	213	138
Total Number Intolerant	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Number Moderate	14	2	3	6	0	0	42	11	0	9	3	10	30	48
Total Number Facultative	3	17	1	5	5	3	7	5	1	1	1	8	10	18
Total Number Tolerant	7	12	19	43	40	15	45	4	40	16	2	34	20	53
	49	42	48	74	105	7	10	28	6	10	6	23	153	19
STREAM CLASSIFICATION														
UB	UB	SP	SP	SP	SP	SP	UB	UB	SP	UB	UB	UB	UB	UB

TAXA	CWZ-10	CAX-10	CAX-11	CAV-10	CAVZ-10	CAZA-10	CAZA-11	CAZB-10	CAZBA-10	CAZBZ-10	CAZC-10	CAZCZ-10	CAZCZ-10	CAZD-10
INTOLERANT														
Amphipoda	8	12	20	26	2	5	-	2	-	-	-	2	-	-
Calopterygidae	-	1	-	-	-	-	-	-	-	-	-	-	-	1
Decapoda	-	-	-	1	3	4	(1)	3	3	8	1	-	-	1
Ephemeroptera	-	12	1	1	-	1	-	-	-	-	-	-	6	2
<i>Gonobasis</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	1	3	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MODERATE														
Anisoptera	-	3	1	3	-	-	-	-	-	-	-	-	1	12
Coenagrionidae	12	20	4	30	-	-	-	20	-	-	1	-	55	3
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydropsychidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopoda	-	-	-	-	-	2	-	-	-	-	1	1	-	-
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-	19
Palaeomonidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sphaeriidae	-	1	12	1	-	1	-	-	-	-	-	-	5	20
Tricladida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FACULTATIVE														
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Caenidae	1	1	7	12	3	30	-	-	-	-	-	8	14	11
Coleoptera	4	35	8	16	1	5	-	13	10	2	1	6	24	5
Ephemeridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Ferriassa</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heteroptera	12	12	39	37	6	30	-	9	7	20	10	13	12	25
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non-Physa)	-	-	8	-	-	-	-	-	-	-	-	-	-	-
TOLERANT														
Chironomidae	18	6	5	4	-	1	(2)	13	3	3	22	7	6	8
Diptera (other)	9	1	9	-	1	1	-	-	1	-	5	-	-	-
Hirudinea	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Oligochaeta	-	2	-	-	-	1	-	2	-	-	1	1	4	-
<i>Physa</i>	13	-	15	8	10	3	-	4	-	9	2	3	7	1
TOTAL NUMBER OF ORGANISMS														
Total Number Unclassified	78	107	129	139	26	84	(3)	74	24	42	81	44	134	108
Total Number Intolerant	0	0	0	0	0	0	(0)	0	0	0	0	0	0	0
Total Number Moderate	8	25	21	28	5	10	(1)	5	3	8	2	5	6	4
Total Number Facultative	12	24	17	34	0	3	(0)	20	0	0	2	1	61	54
Total Number Tolerant	17	48	62	65	10	65	(0)	30	17	22	47	27	50	41
Total Number Tolerant	41	10	29	12	11	6	(2)	19	4	12	30	11	17	9
STREAM CLASSIFICATION														
	UB	UB	UB	UB	UB	UB	DRY	SP	UB	UB	SP	UB	SP	SP

TAXA	BIG CREEK SOUTH (CB)							POND CREEK (CC)						
	CAZE-10	CB-10	CRA-10	CBBZ-10	CBBZ-11	CBBZ-12	CBC-10	CC-10	CC-11	CC-12	CCZ-10	CCA-11	CCA-12	
INTOLERANT														
Amphipoda	8	-	-	-	-	-	-	-	-	-	-	-	-	
Calopterygidae	-	-	-	-	4	-	-	-	-	-	-	-	-	
Decapoda	-	-	-	-	-	2	-	-	-	8	-	1	-	
Ephemeroptera	-	4	1	-	3	3	2	-	2	6	25	-	-	
Goniobasis	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-	
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	
Trichoptera	2	-	-	-	-	-	-	-	-	-	-	-	-	
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	-	
MODERATE														
Anisoptera	2	-	-	-	2	-	6	-	1	3	1	-	-	
Coenagrionidae	3	17	10	4	28	16	6	10	40	4	2	-	-	
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hydropsychidae	-	-	-	-	-	-	-	1	-	-	-	-	-	
Isopoda	-	-	1	1	2	17	1	4	-	-	3	-	-	
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-	
Palaeomonidae	-	-	-	-	-	-	-	-	-	-	-	-	-	
Simuliidae	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sphaeriidae	16	-	-	-	-	-	-	-	-	-	-	-	-	
Trichladiida	-	-	-	-	-	-	-	-	-	-	-	-	-	
FACULTATIVE														
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-	
Caenidae	6	10	2	8	-	-	2	3	2	3	-	-	-	
Coleoptera	16	47	23	21	40	16	42	11	21	35	8	1	1	
Ephemeridae	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ferriassia	-	-	-	-	-	-	-	-	-	-	-	-	-	
Heteroptera	39	5	19	10	6	5	9	5	-	-	9	-	-	
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	-	-	
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-	
Snails (non-Physa)	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOLERANT														
Chironomidae	12	5	10	23	-	21	6	2	6	15	13	20	-	
Diptera (other)	-	2	6	-	-	1	4	-	-	-	4	-	-	
Ilirudinea	-	-	-	-	-	-	-	-	-	-	-	-	-	
Oligochaeta	1	1	-	1	50	21	-	-	-	-	-	200	1,000	
Physa	7	6	22	10	15	15	13	7	20	20	3	15	25	
TOTAL NUMBER OF ORGANISMS														
Total Number Unclassified	112	97	94	78	150	117	91	44	92	94	68	237	1,026	
Total Number Intolerant	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Number Moderate	10	4	1	0	7	5	2	0	2	14	25	1	0	
Total Number Facultative	21	17	11	5	32	33	13	15	41	7	6	0	0	
Total Number Tolerant	61	62	44	39	46	21	53	20	23	38	17	1	1	
Total Number	20	14	38	34	65	58	23	9	26	35	20	235	1,025	
STREAM CLASSIFICATION														
	SP	SP	SP	SP	SP	SP	SP	SP	SP	UB	UB	P	P	

TAXA	ELM RIVER (CD)												
	CCA-13	CD-01	CD-11	CD-12	CD-13	CD-14	CD-15	CD-16	CD-17	CDA-10A	CDA-10B	CDB-10	CDB-11
INTOLERANT													
Amphipoda	-	4	-	-	2	-	-	-	-	-	-	-	-
Calopterygidae	-	2	-	-	-	3	-	-	-	2	-	-	-
Decapoda	1	3	-	1	-	-	3	5	11	1	-	-	4
Ephemeroptera	-	1	21	3	-	3	-	-	-	5	3	-	-
<i>Goniochasis</i>	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	-
MODERATE													
Anisoptera	4	4	1	-	-	-	-	-	-	4	1	1	2
Coenagrionidae	1	20	-	-	6	-	-	-	16	8	15	-	6
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydropsychidae	-	1	9	-	-	45	-	-	-	-	-	-	-
Isopoda	-	-	-	-	-	2	45	15	2	-	-	-	-
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Palaeonidae	-	15	9	-	7	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Sphaeriidae	-	-	1	2	-	-	-	3	1	-	-	10	4
Tricladida	-	-	-	-	-	-	-	-	-	-	-	-	-
FACULTATIVE													
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-
Caenidae	-	8	6	-	-	6	-	1	-	2	-	-	2
Coleoptera	6	30	58	15	5	23	-	-	-	24	17	-	4
Ephemeridae	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Ferriassia</i>	-	-	-	-	-	-	-	-	-	-	-	-	-
Heteroptera	1	9	5	7	17	7	3	10	4	1	6	2	2
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non- <i>Physa</i>)	-	-	-	-	-	2	-	-	4	-	-	-	-
TOLERANT													
Chironomidae	25	4	16	20	3	4	-	2	14	25	15	2	5
Diptera (other)	-	-	1	-	-	-	-	-	-	-	1	-	2
Hirudinea	-	-	-	-	-	-	-	1	-	-	-	1	1
Oligochaeta	40	1	-	3	-	-	-	-	-	-	-	-	-
<i>Physa</i>	50	5	4	20	-	1	2	101	5	10	22	-	10
TOTAL NUMBER OF ORGANISMS													
Total Number Unclassified	128	107	131	71	40	96	53	138	57	82	80	16	42
Total Number Intolerant	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Number Moderate	5	40	20	2	13	47	45	18	19	12	16	11	12
Total Number Facultative	7	47	69	22	22	38	3	11	8	27	23	2	8
Total Number Tolerant	115	10	21	43	3	5	2	104	19	35	38	3	18
STREAM CLASSIFICATION													
	SP	SP	UB	SP	SP	SP	SP	SP	UB	SP	SP	SP	SP

TAXA	CDBA-10	CDBA-11	CDBZ-10	CDBZ-11	CDBZ-12	CDC-10	CMD-10	CMDZ-10	CDF-10	CDF-11	CDF-12	CDFA-10	CDFB-10
INTOLERANT													
Amphipoda	1	4	1	-	-	15	-	20	5	40	16	-	7
Calopterygidae	3	-	-	-	-	-	-	-	8	-	-	1	7
Decapoda	8	2	7	2	7	-	1	1	-	2	1	-	2
Ephemeroptera	3	-	-	-	-	2	-	1	1	7	-	-	4
<i>Goniobasis</i>	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	1	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	-
MODERATE													
Anisoptera	2	1	-	-	-	1	-	4	-	-	-	-	-
Coenagrionidae	25	4	-	-	-	-	-	30	-	14	6	-	4
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydropsychidae	-	-	-	-	-	-	-	-	-	-	-	-	1
Isopoda	-	-	-	-	-	1	-	-	2	1	-	-	-
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Palaeonidae	-	-	-	-	-	-	-	-	1	-	-	-	-
Simuliidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Sphaeriidae	3	7	3	-	-	-	-	45	1	7	21	2	1
Tricladida	-	-	-	-	-	-	-	-	-	-	-	-	-
FACULTATIVE													
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-
Caenidae	8	2	2	1	-	15	4	2	8	14	5	-	6
Coleoptera	3	8	3	-	-	7	2	2	44	14	13	4	10
Ephemeriidae	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Ferrissia</i>	-	-	-	-	-	-	-	-	-	-	-	-	-
Heteroptera	1	55	8	7	17	23	3	3	3	15	5	42	18
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non-Physa)	-	-	-	2	4	-	-	-	-	2	14	-	-
TOLERANT													
Chironomidae	2	4	2	-	1	15	2	3	3	1	8	-	12
Diptera	-	-	1	-	1	4	2	-	-	-	2	1	4
Hirudinea	-	-	1	-	-	-	-	3	1	-	2	-	-
Oligochaeta	1	2	-	100	-	1	15	-	-	-	10	-	-
<i>Physa</i>	10	20	8	3	10	7	8	20	2	8	50	17	20
TOTAL NUMBER OF ORGANISMS													
Total Number Unclassified	70	109	36	115	40	91	37	134	79	126	153	67	96
Total Number Intolerant	15	6	8	2	7	17	1	22	14	50	17	1	20
Total Number Moderate	30	12	3	0	0	2	0	79	4	22	27	2	6
Total Number Facultative	12	65	13	10	21	45	9	7	55	45	37	46	34
Total Number Tolerant	13	26	12	103	12	27	27	26	6	9	72	18	36
STREAM CLASSIFICATION													
	UB	SP	UB	SP	UB	UB	SP	UB	UB	UB	UB	SP	UB

ELM RIVER (CD)

VILLAGE CREEK (CE)

TAXA	CDZ-10	CDZ-11	CDZ-12	CDZ-10	CDZ-11	CDZ-12	CE-10	CE-11	CEA-10	CEA-11
INTOLERANT										
Amphipoda	15	9	-	-	-	-	-	-	-	-
Calopterygidae	2	-	-	-	-	5	-	1	-	-
Decapoda	5	6	4	5	-	1	1	-	-	-
Ephemeroptera	-	-	-	-	2	-	-	1	-	-
Gonolobasis	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	-	-	-	-
MODERATE										
Anisoptera	6	-	-	2	5	2	1	1	-	1
Coenagrionidae	4	10	-	10	20	20	-	9	6	6
Ephemeroptera	-	-	-	-	-	-	-	-	1	-
Hydropsychidae	-	-	-	-	-	-	-	-	-	-
Isopoda	-	1	6	4	-	-	2	-	-	-
Megaloptera	-	-	-	-	-	-	-	-	-	-
Palaemonidae	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	-	-	-	-	-
Sphaeriidae	25	-	-	-	-	-	2	6	2	-
Tricladida	-	-	-	-	-	-	-	-	-	-
FACULTATIVE										
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-
Caenidae	4	4	-	1	-	2	5	4	10	7
Coleoptera	25	2	2	9	35	4	3	30	10	29
Ephemeridae	-	-	-	-	-	-	-	-	-	-
Ferrissgia	-	-	-	1	-	-	-	-	-	-
Heteroptera	20	1	13	10	6	13	33	3	6	1
Nematomorpha	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-
Snails (non-Physa)	2	-	-	-	-	-	-	1	-	-
TOLERANT										
Chironomidae	6	-	14	1,000	4	2	1	4	9	2
Diptera (other)	-	2	-	-	-	-	-	2	1	-
Hirudinea	1	-	-	-	-	-	-	-	-	-
Oligochaeta	-	-	-	2	1	-	-	1	1	-
Physa	10	4	-	5	10	12	2	17	3	11
TOTAL NUMBER OF ORGANISMS										
Total Number Unclassified	125	33	39	1,009	83	61	50	79	50	57
Total Number Intolerant	0	0	0	0	0	0	0	0	0	0
Total Number Moderate	22	9	6	0	2	6	1	1	1	0
Total Number Facultative	35	11	6	0	25	22	5	16	9	7
Total Number Tolerant	51	7	13	2	41	19	41	38	26	37
	17	6	14	1,007	15	14	3	24	14	13
STREAM CLASSIFICATION										
	UB	UB	UB	P	SP	SP	SP	SP	SP	SP

TAXA	CLEAR POND CREEK (CF)					SUGAR CREEK (CG)							
	CF-10	CFA-10	CFAA-10	CFAB-10	CFAB-11	CG-10	CG-11	CG-12	CG-13	CGA-10	CGAB-10	CGAB-11	CGB-10
INTOLERANT													
Amphipoda	-	-	-	2	-	1	11	5	-	-	-	-	-
Calopterygidae	2	2	2	-	-	-	-	-	-	2	-	-	-
Decapoda	-	-	-	1	1	-	-	1	5	7	-	3	11
Ephemeroptera	1	1	-	50	-	-	-	2	-	-	4	-	-
Gonibasisia	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	-	1	-	-	-	-	-
MODERATE													
Anisoptera	-	-	4	1	1	1	-	4	1	4	4	-	-
Coenagrionidae	12	5	3	-	-	1	26	12	-	4	8	-	4
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydropsychidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopoda	-	-	40	-	-	-	-	-	-	2	-	9	-
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Palaeomonidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Sphaeriidae	-	-	-	-	10	1	-	-	-	-	1	-	-
Tricladida	-	-	-	-	-	-	-	-	-	-	-	-	-
FACULTATIVE													
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-
Caenidae	-	8	-	-	-	-	6	6	21	3	7	-	2
Coleoptera	22	12	4	50	7	9	10	54	8	12	12	11	11
Ephemeridae	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrissia	-	-	-	-	-	-	-	-	-	-	-	-	-
Heteroptera	58	1	7	30	6	14	13	14	3	13	4	2	7
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non-Physa)	-	-	-	-	-	-	-	-	-	-	-	-	-
TOLERANT													
Chironomidae	4	2	-	20	1	1	3	10	6	4	8	1	4
Diptera (other)	-	4	16	-	1	-	1	1	-	1	2	-	3
Hirudinea	-	5	-	-	-	1	-	-	-	-	-	-	-
Oligochaeta	10	20	-	1	-	-	-	-	-	-	-	1	-
Physa	8	-	10	10	4	3	7	15	2	1	14	1	1
TOTAL NUMBER OF ORGANISMS													
Total Number Unclassified	117	60	86	165	31	41	77	125	46	53	64	28	43
Total Number Intolerant	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Number Moderate	3	3	2	53	1	1	11	9	5	9	4	3	11
Total Number Facultative	12	5	47	1	11	3	26	16	1	10	13	9	4
Total Number Tolerant	80	21	11	80	13	32	29	74	32	28	23	13	20
	22	31	26	31	6	5	11	26	8	6	24	3	8
STREAM CLASSIFICATION													
	SP	SP	SP	UB	SP	SP	UB	SP	UB	UB	SP	UB	UB

TAXA	FOX RIVER (CH)										CHESA-10			
	CGZ-10	CGZ-11	CH-03	CH-13	CH-14	CH-15	CH-16	CHB-10	CHD-10	CHDZ-10	CHB-10	CHB-11	CHB-10	CHB-10
INTOLERANT														
Amphipoda	-	-	3	6	30	17	2	-	-	-	-	9	-	2
Calopterygidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Decapoda	1	-	-	3	-	1	-	2	2	(2)	3	-	-	-
Ephemeroptera	3	-	2	-	-	-	-	1	-	-	-	2	-	8
<i>Gonobasis</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MODERATE														
Anisoptera	1	1	1	-	-	1	-	-	-	-	3	-	-	2
Coenagrionidae	4	7	2	2	2	7	-	-	-	-	7	6	2	2
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Hydropsychidae	-	-	-	-	-	-	-	-	-	-	-	2	-	-
Isopoda	-	-	2	-	1	-	-	2	-	-	1	1	-	-
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Palaemonidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sphaeriidae	-	39	-	-	2	5	8	-	-	-	3	4	-	-
Tricladida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FACULTATIVE														
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Caenidae	-	3	2	19	-	13	-	-	-	-	2	7	-	10
Coleoptera	10	19	1	8	13	-	-	2	-	-	10	16	-	1
Ephemeridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Ferrissia</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heteroptera	18	10	21	5	18	12	-	-	20	(1)	20	18	-	3
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non-Physa)	-	-	-	1	-	-	-	-	-	-	2	-	-	-
TOLERANT														
Chironomidae	3	2	11	18	20	9	6	7	-	-	6	7	-	22
Diptera (other)	-	-	-	-	2	-	-	-	-	-	-	-	-	-
Hirudinea	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Oligochaeta	-	-	-	-	40	-	100	-	-	-	-	2	-	-
<i>Physa</i>	1	35	1	16	12	7	6	2	1	(1)	6	8	-	2
TOTAL NUMBER OF ORGANISMS														
Total Number Unclassified	41	116	46	79	140	72	122	16	23	(4)	86	83	SP	52
Total Number Intolerant	0	0	0	0	0	0	0	0	0	(0)	0	0	0	0
Total Number Intolerant	4	0	5	9	30	18	2	3	2	(2)	3	11	10	10
Total Number Moderate	5	47	5	2	5	13	8	2	0	(0)	14	14	4	4
Total Number Facultative	28	32	24	33	31	25	0	2	20	(1)	34	41	14	14
Total Number Tolerant	4	37	12	35	74	16	112	9	1	(1)	35	17	24	24
STREAM CLASSIFICATION														
	SP	SP	UB	UB	UB	UB	SP	UB	SP	DRY	SP	UB	SP	UB

TAXA	FOX RIVER (CI)						HOG RUN CREEK (CI)			BIG MUDDY CREEK (CI)			
	CHEA-11	CHEAZ-10	CHEAZ-11	CHEAZ-12	CHI-10	CHI-11	CHI-10	CHI-11	CHI-11	CJ-04	CJ-14	CJ-15	CJ-16
INTOLERANT													
Amphipoda	-	-	2	-	12	-	-	-	-	8	20	7	7
Calopterygidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Decapoda	2	-	1	3	4	1	-	2	(1)	-	1	2	2
Ephemeroptera	-	-	-	3	6	-	-	-	-	-	6	-	2
Goniobasis	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	-
MODERATE													
Anisoptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Coenagrionidae	-	1	1	-	1	-	-	-	-	8	3	2	-
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydropsychidae	-	-	-	-	-	-	-	-	-	-	22	-	-
Isopoda	-	-	2	2	16	5	-	1	-	-	-	-	1
Megaloptera	-	-	-	-	-	-	-	-	-	1	-	-	-
Palaeomonidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Sphaeriidae	-	-	-	-	-	2	-	-	-	2	-	-	-
Tricladida	-	-	-	-	-	-	-	-	-	-	-	-	-
FACULTATIVE													
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-
Caenidae	1	-	1	-	-	-	-	-	-	28	20	11	4
Coleoptera	2	-	-	6	5	1	-	6	-	5	21	4	1
Ephemeridae	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrissia	-	-	-	-	-	-	-	-	-	-	-	-	-
Heteroptera	24	-	-	9	12	5	-	4	(11)	13	1	-	2
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non-Physa)	-	-	-	-	27	25	-	-	-	-	-	-	-
TOLERANT													
Chironomidae	2	-	95	2	14	-	-	59	-	20	6	15	2
Diptera (other)	-	-	-	-	-	-	-	-	-	-	-	2	-
Hirudinea	-	-	-	-	-	-	-	-	-	2	-	-	1
Oligochaeta	2	-	-	-	16	-	-	-	-	-	-	-	-
Physa	5	-	-	31	10	17	-	5	(5)	2	7	1	2
TOTAL NUMBER OF ORGANISMS	38	1	100	56	123	56	0	77	(17)	89	107	44	24
Total Number Unclassified	0	0	0	0	0	0	0	0	(0)	0	0	0	0
Total Number Intolerant	2	0	3	6	22	1	0	2	(1)	8	27	9	11
Total Number Moderate	0	1	1	1	17	7	0	1	(0)	11	25	2	1
Total Number Facultative	27	0	1	15	44	31	0	10	(11)	46	42	15	7
Total Number Tolerant	9	0	95	33	40	17	0	64	(5)	24	13	18	5
STREAM CLASSIFICATION	SP	P	SP	UB	UB	SP	P	SP	DRY	SP	UB	UB	UB

BIG MUDDY CREEK (CJ)

TAXA	CJ-17	CJ-18	CJ-19	CJA-10	CJA-11	CJA-12	CJA-13	CJB-10A	CJB-10B	CJC-10	CJC-11	CJO-10	CJOA-10	CJRB-10
INTOLERANT														
Amphipoda	-	1	20	4	-	-	3	-	-	-	1	20	24	7
Calopterygidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Decapoda	-	7	4	9	2	1	3	2	-	1	3	6	5	3
Ephemeroptera	-	1	-	25	-	-	-	-	-	-	-	-	-	-
Goniatelidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MODERATE														
Anisoptera	-	-	-	-	-	2	6	7	-	-	-	-	3	-
Coenagrionidae	-	-	9	3	-	-	4	-	6	-	-	2	33	-
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydropsychidae	-	-	-	-	-	7	-	2	-	-	-	-	-	-
Isopoda	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Palaeomonidae	-	-	-	8	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sphaeriidae	-	-	6	1	-	10	6	25	3	2	-	1	2	-
Tricladida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FACULTATIVE														
Bryozoa (colonies)	-	-	+	-	-	-	-	-	-	-	-	-	-	-
Caenidae	4	2	1	6	6	1	2	1	-	6	-	9	18	22
Coleoptera	1	2	8	7	1	9	6	3	1	1	-	6	4	2
Ephemeridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferussia	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heteroptera	24	6	28	6	2	-	24	17	15	3	16	14	3	1
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non-Physa)	-	-	-	-	-	-	-	-	-	15	1	3	-	-
TOLERANT														
Chironomidae	35	1	40	13	2	14	9	21	20	40	-	-	6	12
Diptera (other)	-	-	9	-	-	-	1	1	3	-	-	-	2	3
Hirudinea	-	-	-	-	4	1	-	1	-	-	-	-	-	-
Oligochaeta	-	-	-	2	-	1	-	5	60	-	-	-	-	2
Physa	2	18	15	2	-	7	2	43	45	6	12	6	10	11
TOTAL NUMBER OF ORGANISMS	66	38	140	86	17	53	66	128	153	74	33	67	110	63
Total Number Unclassified	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Number Intolerant	0	9	24	38	2	1	6	2	0	1	4	26	29	10
Total Number Moderate	0	0	15	12	0	19	16	34	9	2	0	3	38	0
Total Number Facultative	29	10	37	19	9	10	32	21	16	25	17	32	25	25
Total Number Tolerant	37	19	64	17	6	23	12	71	128	46	12	6	18	28
STREAM CLASSIFICATION	SP	UR	UR	UR	UR	SP	SP	SP	SP	SP	UR	UR	UR	UR

TAXA	BIG MUDDY CREEK (CJ)						PANTHER CREEK (CK)	DISMAL CREEK (CM)			LUCAS CREEK (CN)		
	CJE-10	CJE-11	CJEA-10	CJEB-10	CJEC-10	CJEC-11		CM-01	CM-11	CM-12	CN-10	CN-11	
INTOLERANT													
Amphipoda	11	7	17	-	10	-	34	-	5	14	7	9	-
Calopterygidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Decapoda	5	9	1	2	1	-	3	-	7	4	5	9	-
Ephemeroptera	-	-	-	-	-	1	2	-	2	-	2	-	-
Goniobasis	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	-
MODERATE													
Anisoptera	1	-	-	-	2	-	6	-	-	-	-	9	-
Coenagrionidae	-	-	12	-	13	1	17	-	4	-	-	1	-
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	1	-
Hydropsychidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopoda	-	-	-	-	-	-	-	-	7	-	2	1	-
Megaloptera	-	-	1	-	-	-	-	-	-	-	-	-	-
Palaeomonidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Sphaeriidae	7	-	-	-	-	-	-	-	2	-	2	2	-
Tricladida	-	-	-	-	-	-	-	-	-	-	-	-	-
FACULTATIVE													
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-
Caenidae	2	2	30	-	14	-	40	-	18	10	18	20	-
Coleoptera	3	2	4	-	5	5	4	-	6	8	2	3	-
Ephemeridae	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrissia	-	-	-	-	-	-	-	-	-	-	-	-	-
Heteroptera	22	20	5	4	3	6	2	-	3	10	6	10	2
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non-Physa)	-	3	-	3	-	-	-	-	-	1	-	-	-
TOLERANT													
Chironomidae	5	1	10	41	3	1	7	-	10	16	24	5	23
Diptera (other)	8	2	-	-	11	4	-	-	3	10	-	-	-
Hirudinea	-	-	-	-	-	-	-	-	1	-	1	-	1
Oligochaeta	-	-	-	1	-	-	-	-	-	-	1	-	-
Physa	70	25	20	6	1	21	8	-	1	2	1	4	-
TOTAL NUMBER OF ORGANISMS													
Total Number Unclassified	134	71	100	57	63	39	123	-	69	75	71	74	26
Total Number Intolerant	0	0	0	0	0	0	0	-	0	0	0	0	0
Total Number Moderate	16	16	18	2	11	1	39	-	14	18	14	18	0
Total Number Facultative	8	0	13	0	15	1	23	-	13	0	4	14	0
Total Number Tolerant	27	27	39	7	22	11	46	-	27	29	26	33	2
Total Number Tolerant	83	28	30	48	15	26	15	-	15	28	27	9	24
STREAM CLASSIFICATION													
	UB	UB	UB	SP	UB	SP	UB	SP	UB	UB	UB	UB	SP

TAXA	BISHOP CREEK (CO)						SALT CREEK (CP)							
	CO-10	CO-11	CO-12	COA-10	COA-11	COB-10	COZ-10	CP-01	CP-11	CP-12	CP-13	CP-14	CPA-10	
INTOLERANT														
Amphipoda	-	-	-	1	1	-	(1)	-	-	-	-	5	-	
Calopterygidae	-	-	-	-	-	-	-	-	-	-	-	-	-	
Decapoda	-	4	-	-	4	3	-	8	8	2	4	7	6	
Ephemeroptera	-	-	-	-	-	1	-	-	-	-	-	5	-	
Gonobasis	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-	
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	-	
MODERATE														
Anisoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	
Coenagrionidae	1	-	-	3	3	2	-	-	-	-	-	2	-	
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hydropsychidae	-	-	-	-	-	-	-	-	-	-	-	7	-	
Isopoda	-	-	1	-	-	-	(2)	3	-	-	-	-	-	
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-	
Palaeomonidae	-	-	-	-	-	-	-	-	-	-	-	-	-	
Simuliidae	-	-	-	-	-	-	-	1	-	-	5	-	-	
Sphaeriidae	1	17	19	-	2	15	-	-	-	-	-	1	-	
Tricladida	1	-	-	-	-	-	-	-	-	-	-	-	-	
FACULTATIVE														
Bryozoa (colonies)	-	-	+	-	+	+	-	-	-	-	-	+	-	
Caenidae	10	4	5	21	8	24	-	-	-	-	-	17	2	
Coleoptera	3	1	9	3	4	3	(1)	3	5	11	-	1	-	
Ephemeridae	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ferissia	-	-	-	-	-	-	-	-	3	-	-	1	-	
Heteroptera	-	2	7	7	8	9	-	8	-	1	8	4	3	
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	-	-	
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-	
Snails (non-Physa)	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOLERANT														
Chironomidae	15	2	11	76	8	10	-	3	-	25	117	20	60	
Diptera (other)	-	-	-	1	-	1	-	-	-	-	2	-	-	
Hirudinea	-	1	-	-	1	-	-	-	-	-	-	-	1	
Oligochaeta	3	2	1	-	-	-	-	-	1	66	10	-	-	
Physa	4	22	14	1	14	12	-	7	5	79	15	2	1	
TOTAL NUMBER OF ORGANISMS														
Total Number Unclassified	38	55	67	113	53	80	(4)	33	22	184	161	72	73	
Total Number Intolerant	0	0	0	0	0	0	(0)	0	0	0	0	0	0	
Total Number Moderate	3	17	20	3	5	17	(2)	4	0	0	5	10	0	
Total Number Facultative	13	7	21	31	20	36	(1)	11	8	12	8	23	5	
Total Number Tolerant	22	27	26	78	23	23	(0)	10	6	170	144	22	62	
STREAM CLASSIFICATION														
	SP	SP	SP	SP	SP	SP	DRY	UB	UB	SP	SP	UB	SP	

TAXA	SALT CREEK (CF)					FULFER CREEK (CQ)					CR-10		CR-11
	CFA-11	CPC-10	CPC-11	CPD-10	CPZ-10	CPZ-11	CPZ-12	CPZ-13	CQ-10	CQ-11	CQ-12	CR-10	
INTOLERANT													
Amphipoda	-	-	-	-	-	-	-	-	1	-	9	3	3
Calopterygidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Decapoda	2	1	8	3	4	-	1	4	-	-	8	1	-
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	2	5
Gonobasie	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	-
MODERATE													
Anisoptera	-	-	-	-	-	-	-	-	-	-	1	-	-
Coenagrionidae	-	-	-	-	4	-	-	4	4	1	1	1	-
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydropsychidae	-	-	-	-	-	-	-	-	-	-	2	-	2
Isopoda	-	2	-	-	1	-	-	1	-	-	-	-	-
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-
Palaeomonidae	-	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	-	-	-	-	-	-	-	7
Sphaeriidae	2	-	15	-	1	-	-	-	-	-	1	-	-
Tricladida	-	-	-	-	-	-	-	-	-	-	-	-	-
FACULTATIVE													
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-
Caenidae	-	-	1	50	9	-	-	-	-	17	6	-	16
Coleoptera	1	-	4	2	2	1	-	3	8	6	3	1	-
Ephemeridae	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferriessia	-	-	-	-	-	-	-	-	-	-	2	-	4
Heteroptera	9	6	16	20	6	-	-	13	-	8	4	6	-
Nematomorpha	-	-	-	1	-	-	-	-	17	-	-	-	1
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non-Physa)	-	-	-	-	-	-	-	-	-	-	-	-	-
TOLERANT													
Chironomidae	8	90	17	33	40	100	100	3	4	3	18	16	65
Diptera (other)	3	2	2	3	-	2	-	1	-	1	-	-	-
Hirudinea	-	-	-	-	-	-	-	-	-	-	-	-	-
Oligochaeta	-	-	-	-	-	4	12	-	-	1	-	-	-
Physa	23	1	11	-	5	-	1	20	-	-	17	-	8
TOTAL NUMBER OF ORGANISMS	48	102	74	112	76	107	114	49	42	37	72	64	111
Total Number Unclassified	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Number Intolerant	2	1	8	3	4	0	1	4	1	0	17	6	8
Total Number Moderate	2	2	15	0	10	0	0	5	4	1	5	1	9
Total Number Facultative	10	6	21	73	17	1	0	16	33	31	15	41	21
Total Number Tolerant	34	93	30	36	45	106	113	24	4	5	35	16	73
STREAM CLASSIFICATION	SP	SP	UB	SP	SP	P	P	SP	SP	SP	UB	SP	SP

TAXA	BIG CREEK NORTH (CR)				GREEN CREEK (CS)		WEST BRANCH (CT)					
	CR-12	CR-13	CRB-10	CRZ-10	CRZ-11	CS-10	CS-11	CT-10	CT-11	CT-12	CTB-10	CTC-10
INTOLERANT												
Amphipoda	5	50	-	-	-	7	-	4	1	2	1	-
Calopterygidae	-	-	-	-	-	-	-	-	-	-	-	-
Decapoda	9	3	3	-	3	9	15	8	8	5	15	14
Ephemeroptera	-	-	3	-	-	5	4	15	3	1	2	-
Goniobasis	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	8	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-
MODERATE												
Anisoptera	1	1	-	-	-	-	-	-	-	-	-	-
Coenagrionidae	1	100	-	-	-	1	2	-	-	-	-	-
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-
Hydropsychidae	-	-	-	-	-	-	-	-	-	-	2	-
Isopoda	-	1	-	-	2	-	-	-	-	4	-	-
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-
Palaeomonidae	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	-	-	-	-	-	-	-
Sphaeriidae	-	-	-	-	-	-	-	-	-	-	-	-
Tricladida	-	-	-	-	-	-	-	-	-	-	-	-
FACULTATIVE												
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-
Caenidae	20	1	-	-	1	13	4	10	4	1	11	-
Coleoptera	3	12	6	-	-	1	15	3	6	7	19	3
Ephemeridae	-	-	-	-	-	-	-	-	-	-	-	-
Ferriassia	-	-	-	-	-	-	-	4	1	-	-	-
Heteroptera	15	1	12	-	-	2	11	5	10	1	13	23
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non-Physa)	-	5	-	-	-	-	-	-	-	-	-	-
TOLERANT												
Chironomidae	100	12	30	-	6	8	46	1	2	2	3	2
Diptera (other)	7	8	102	-	10	1	1	-	-	-	-	-
Hirudinea	-	-	-	-	-	-	1	-	-	-	-	-
Oligochaeta	-	-	-	-	45	-	-	-	-	-	-	-
Physa	50	70	48	-	55	1	32	-	15	6	12	13
TOTAL NUMBER OF ORGANISMS	211	264	204	0	122	48	131	50	50	29	86	55
Total Number Unclassified	0	0	0	0	0	0	0	0	0	0	0	0
Total Number Intolerant	14	53	6	0	3	21	19	27	12	8	26	14
Total Number Moderate	2	102	0	0	0	1	2	0	0	4	2	0
Total Number Facultative	38	19	18	0	1	16	30	22	21	9	43	26
Total Number Tolerant	157	90	180	0	116	10	80	1	17	8	15	15
STREAM CLASSIFICATION	SP	UB	SP	P	SP	UB	UB	B	UB	UB	UB	UB

TAXA	BUSH CREEK (CU)		SMALL DIRECT TRIBUTARIES OF LITTLE WARASH RIVER (CZ)											
	CU-10	CUA-10	CZ-10	CZ-11	CZ-12	CZ-13	CZ-14	CZ-15	CZA-10	CZA-11	CZB-10	CZF-10	CZG-10	
INTOLERANT														
Amphipoda	6	-	-	-	-	1	-	-	-	-	-	25	-	
Calopterygidae	-	-	-	-	-	-	-	-	-	-	-	2	-	
Decapoda	18	12	-	-	-	3	-	6	-	-	1	-	14	
Ephemeroptera	-	-	-	-	-	6	-	-	-	-	-	4	3	
Goniobania	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-	
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	-	
MODERATE														
Anisoptera	-	-	-	-	-	-	1	1	-	1	-	2	-	
Coenagrionidae	-	2	-	-	-	8	-	-	2	-	-	25	-	
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	1	
Hydropsychidae	-	-	-	-	-	-	-	-	-	-	-	-	-	
Isopoda	-	-	8	-	-	-	-	-	2	6	3	6	-	
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-	
Palaeonidae	-	-	-	-	-	-	-	-	5	-	-	-	-	
Simuliidae	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sphaeriidae	-	-	25	-	20	-	-	-	12	-	-	5	-	
Tricladida	-	-	-	-	-	-	-	-	-	-	-	-	-	
FACILITATIVE														
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-	
Caenidae	-	9	2	-	-	1	-	5	6	-	37	4	13	
Coleoptera	9	3	5	20	-	9	12	26	4	8	9	4	8	
Ephemeridae	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ferriassa	-	-	-	-	-	-	-	-	-	-	-	-	-	
Heteroptera	46	2	2	1	-	10	24	23	7	6	12	17	10	
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	-	-	
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-	
Snails (non-Physa)	-	-	-	-	-	-	2	-	-	-	-	16	-	
TOLERANT														
Chironomidae	16	3	20	6	30	16	7	3	7	-	-	3	1	
Diptera (other)	2	3	12	20	200	4	-	8	1	-	2	2	-	
Hirudinea	-	-	-	-	-	-	-	-	1	-	-	5	-	
Oligochaeta	1	-	20	100	200	1	-	-	3	-	3	1	-	
Physa	10	56	35	30	10	10	1	1	2	1	8	6	1	
TOTAL NUMBER OF ORGANISMS														
Total Number Unclassified	108	90	129	177	460	69	47	73	62	22	75	127	52	
Total Number Intolerant	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Number Moderate	24	12	0	0	0	10	0	6	0	0	1	31	18	
Total Number Facultative	0	2	33	0	20	8	1	1	21	7	3	38	1	
Total Number Tolerant	55	14	9	21	0	20	38	54	17	14	58	41	31	
	29	62	87	156	440	31	8	12	14	1	13	17	2	
STREAM CLASSIFICATION														
	UB	UB	SP	SP	P	UB	SP	SP	SP	SP	SP	UB	UB	

SMALL DIRECT TRIBUTARIES OF LITTLE WABASH RIVER (CZ)

TAXA	CZG-11	CZH-10	CZJ-10	CZK-10	CZL-10	CZM-10	CZN-10	CZO-10	CZQ-10	CZR-10	CZR-11	CZW-10	CZX-10	CZXZ-10
INTOLERANT														
Amphipoda	-	-	-	-	-	-	3	6	-	2	-	-	11	-
Calopterygidae	-	-	-	-	-	-	2	-	-	-	-	-	-	-
Decapoda	8	1	-	2	-	-	-	3	-	4	15	5	5	-
Ephemeroptera	-	2	9	30	-	2	2	-	-	-	1	-	-	-
<i>Gonobasis</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MODERATE														
Anisoptera	-	2	3	4	-	1	-	3	1	-	-	-	-	-
Coenagrionidae	-	19	3	-	-	5	-	4	-	-	1	6	-	-
Ephemeroptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydropsychidae	-	-	-	-	-	-	-	6	-	-	-	-	-	-
Isopoda	-	7	-	6	-	15	-	-	-	-	-	-	2	2
Megaloptera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Palaeonidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sphaeriidae	3	-	1	-	-	-	-	-	-	-	-	2	-	-
Tricladida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FACULTATIVE														
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Caenidae	15	5	-	-	-	-	6	8	6	-	48	18	30	-
Coleoptera	-	1	31	31	-	21	18	11	18	2	7	6	-	2
Ephemeridae	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Ferriassia</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heteroptera	7	6	17	2	-	16	1	3	10	-	3	-	5	-
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Porifera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Snails (non-Physa)	-	-	-	-	-	1	-	-	-	-	-	-	-	-
TOLERANT														
Chironomidae	7	-	13	3	3	3	-	-	18	6	8	33	10	200
Diptera (other)	1	-	3	1	28	-	-	4	-	3	-	1	-	7
Hirudinea	-	-	2	-	-	-	-	1	-	-	-	-	-	-
Oligochaeta	-	-	-	1	-	-	-	-	1	2	-	-	-	4
<i>Physa</i>	-	11	7	4	4	-	-	85	4	1	6	21	5	-
TOTAL NUMBER OF ORGANISMS														
Total Number Unclassified	47	54	89	84	123	40	131	61	46	62	89	92	60	215
Total Number Intolerant	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Number Moderate	3	28	7	10	16	5	13	1	3	6	16	5	16	0
Total Number Facultative	22	12	48	33	38	25	22	34	32	37	58	24	36	2
Total Number Tolerant	8	11	25	9	35	3	90	23	12	19	14	55	15	211
STREAM CLASSIFICATION														
	UB	SP	UB	UB	UB	UB	SP	SP	SP	SP	UB	SP	UB	SP

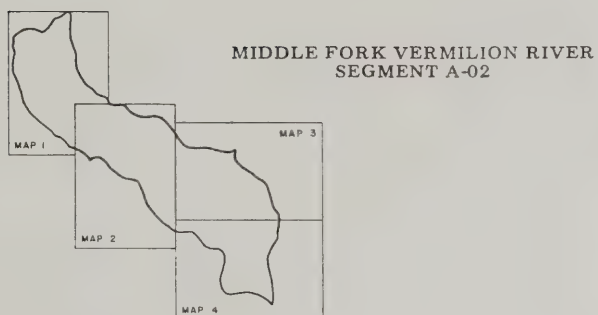
SMALL DIRECT TRIBUTARIES OF LITTLE WABASH RIVER (CZ)

TAXA	CZXZ-11	CZZA-10	CZZB-10	CZZC-10	CZZC-11	CZZDA-10	CZZDA-11CZZDAZ-10	CZZE-10	CZZE-11	CZZF-10	CZZFA-10
INTOLERANT											
Amphipoda	-	-	-	7	-	-	6	-	1	-	-
Calopterygidae	-	-	-	-	-	-	-	-	-	2	-
Decapoda	23	-	1	1	-	3	-	1	7	2	-
Ephemeroptera	3	-	4	4	-	1	1	1	-	2	-
Goniabasis	-	-	-	-	-	-	-	-	-	-	-
Hydracarina	-	-	-	-	-	-	-	-	-	-	-
Plecoptera	-	-	-	-	-	-	-	-	-	-	-
Trichoptera	-	-	-	-	-	-	-	-	-	-	-
Unionidae	-	-	2	-	-	-	5	-	-	-	-
MODERATE											
Anisoptera	-	-	-	-	-	1	-	-	1	2	1
Coenagrionidae	-	-	10	21	3	16	2	4	5	25	4
Ephemeroptera	-	-	-	-	-	-	1	-	-	-	-
Hydropsychidae	-	-	-	-	-	-	-	-	-	-	-
Isopoda	-	-	-	3	-	-	-	-	1	-	-
Megaloptera	-	-	-	-	-	-	-	-	-	-	-
Palaemonidae	-	-	-	1	-	-	-	-	-	-	-
Simuliidae	-	-	-	-	-	-	-	-	-	-	-
Sphaeriidae	1	1	1	-	1	-	-	-	-	-	-
Tricladida	-	-	-	-	-	-	-	-	-	-	-
FACULTATIVE											
Bryozoa (colonies)	-	-	-	-	-	-	-	-	-	-	-
Caenidae	-	5	-	5	1	2	5	1	5	3	-
Coleoptera	3	25	39	40	20	21	9	26	23	25	20
Ephemeridae	-	-	-	-	-	-	-	-	-	-	-
Ferrissia	-	-	-	-	-	-	-	-	-	-	-
Heteroptera	36	13	14	12	19	8	5	15	5	41	55
Nematomorpha	-	-	-	-	-	-	-	-	-	-	-
Porifera	-	-	-	-	-	-	-	-	-	-	-
Snails (non-Physa)	-	-	-	1	-	3	-	-	-	-	-
TOLERANT											
Chironomidae	22	3	5	-	-	3	1	4	2	4	2
Diptera (other)	5	-	-	1	3	-	-	-	-	-	2
Hirudinea	-	-	-	-	-	-	-	-	-	-	1
Oligochaeta	2	-	-	-	-	-	-	-	-	-	-
Physa	29	50	-	5	2	5	1	17	-	25	20
TOTAL NUMBER OF ORGANISMS	124	97	89	101	49	63	36	63	50	131	105
Total Number Unclassified	0	0	0	0	0	0	0	0	0	0	0
Total Number Intolerant	26	0	7	12	0	0	12	0	8	6	0
Total Number Moderate	1	1	11	25	4	17	3	0	4	7	5
Total Number Facultative	39	43	66	58	40	34	19	42	33	69	75
Total Number Tolerant	58	53	5	6	5	8	2	21	2	29	25
STREAM CLASSIFICATION	UB	SP	SP	UB	SP	SP	UB	SP	UB	SP	SP

APPENDIX 4

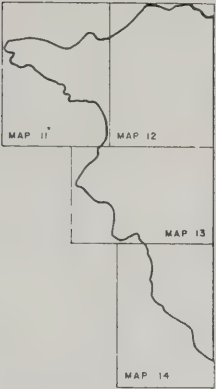
MAPS OF THE WABASH RIVER BASIN
ILLUSTRATING LOCATIONS OF SAMPLING SITES,
STREAM CLASSIFICATIONS, AND POINT SOURCES

WABASH RIVER BASIN

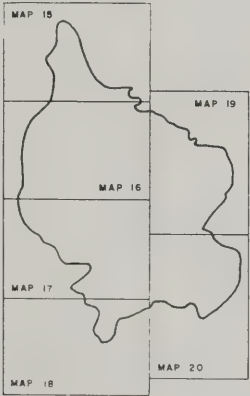
SALT FORK VERMILION RIVER
SEGMENT A-01NORTH FORK VERMILION RIVER
SEGMENT A-03

WABASH RIVER BASIN

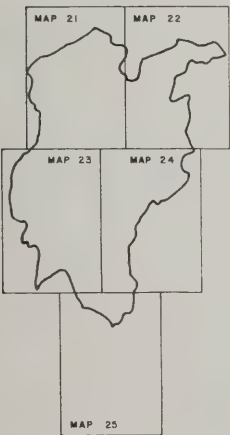
WABASH RIVER—NORTH
SEGMENT A-04



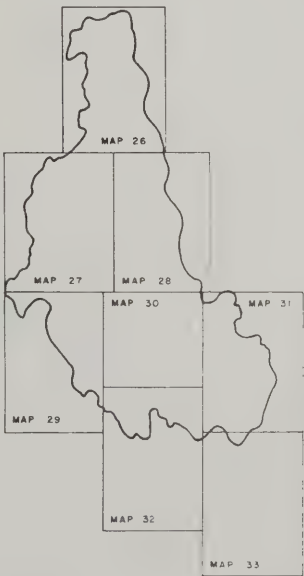
EMBARRAS RIVER—NORTH
SEGMENT A-05



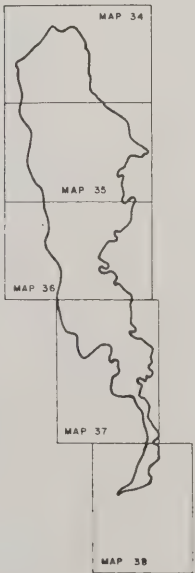
EMBARRAS RIVER—CENTRAL
SEGMENT A-06



EMBARRAS RIVER—SOUTH
SEGMENT A-07

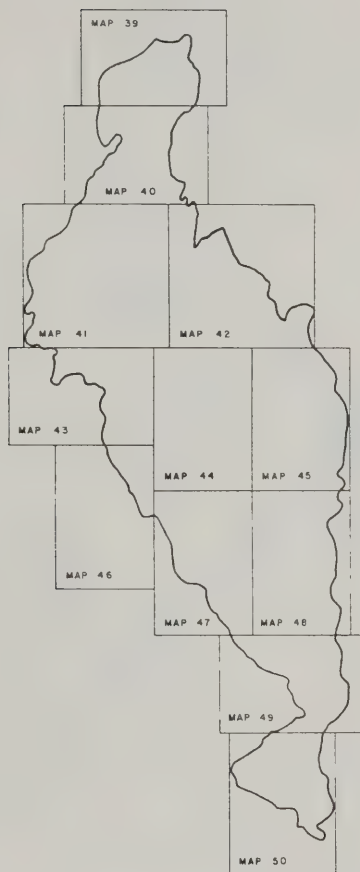


WABASH RIVER—CENTRAL
SEGMENT B-01

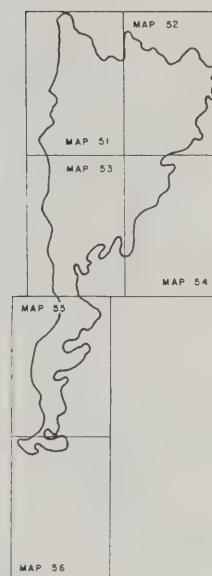


WABASH RIVER BASIN

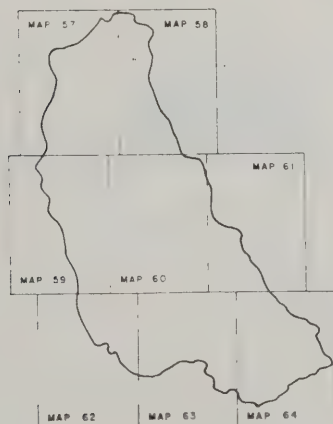
LITTLE WABASH RIVER SEGMENT A-09

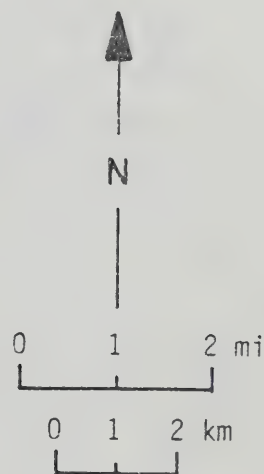
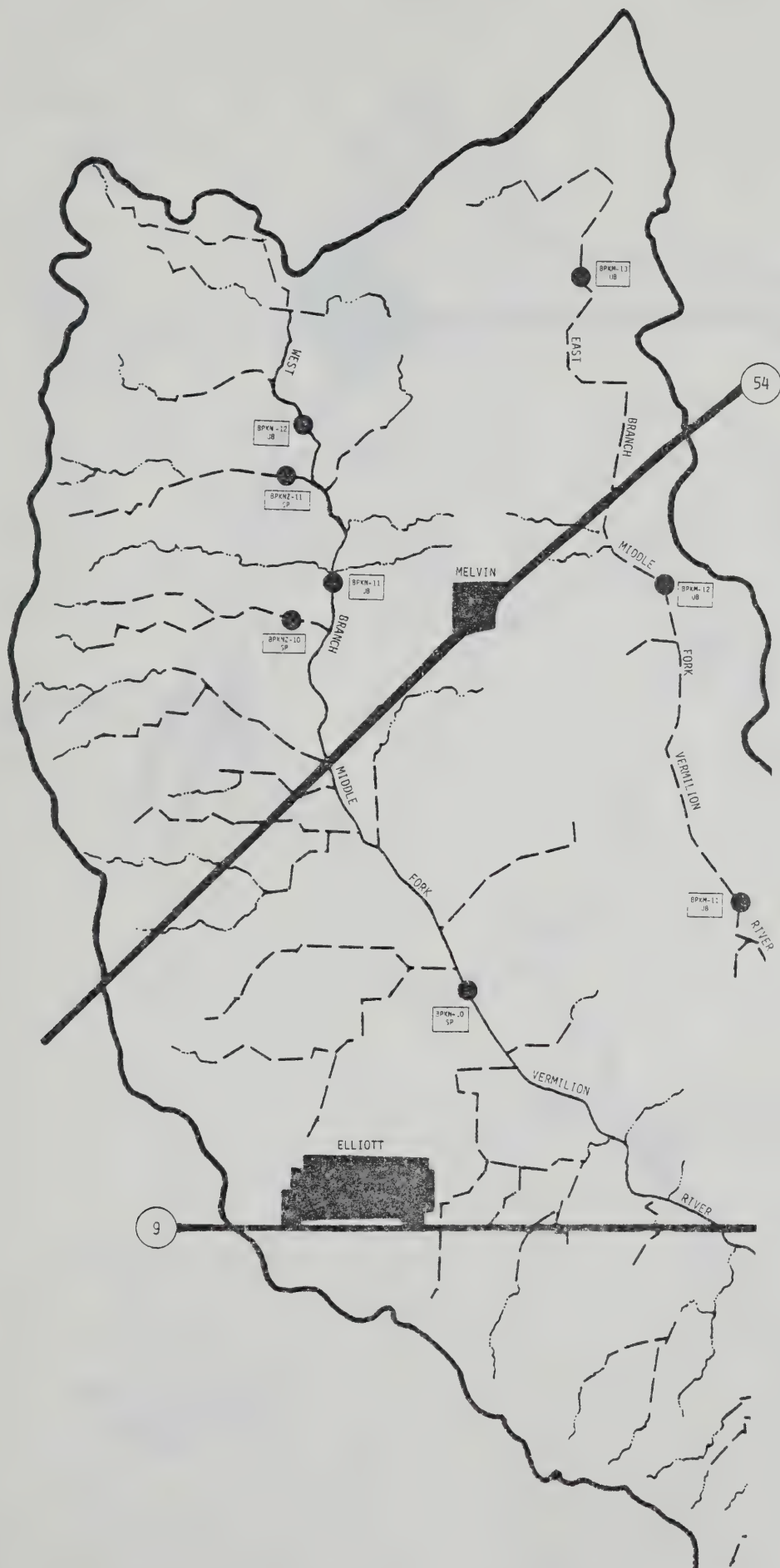


WABASH RIVER—SOUTH SEGMENT B-02

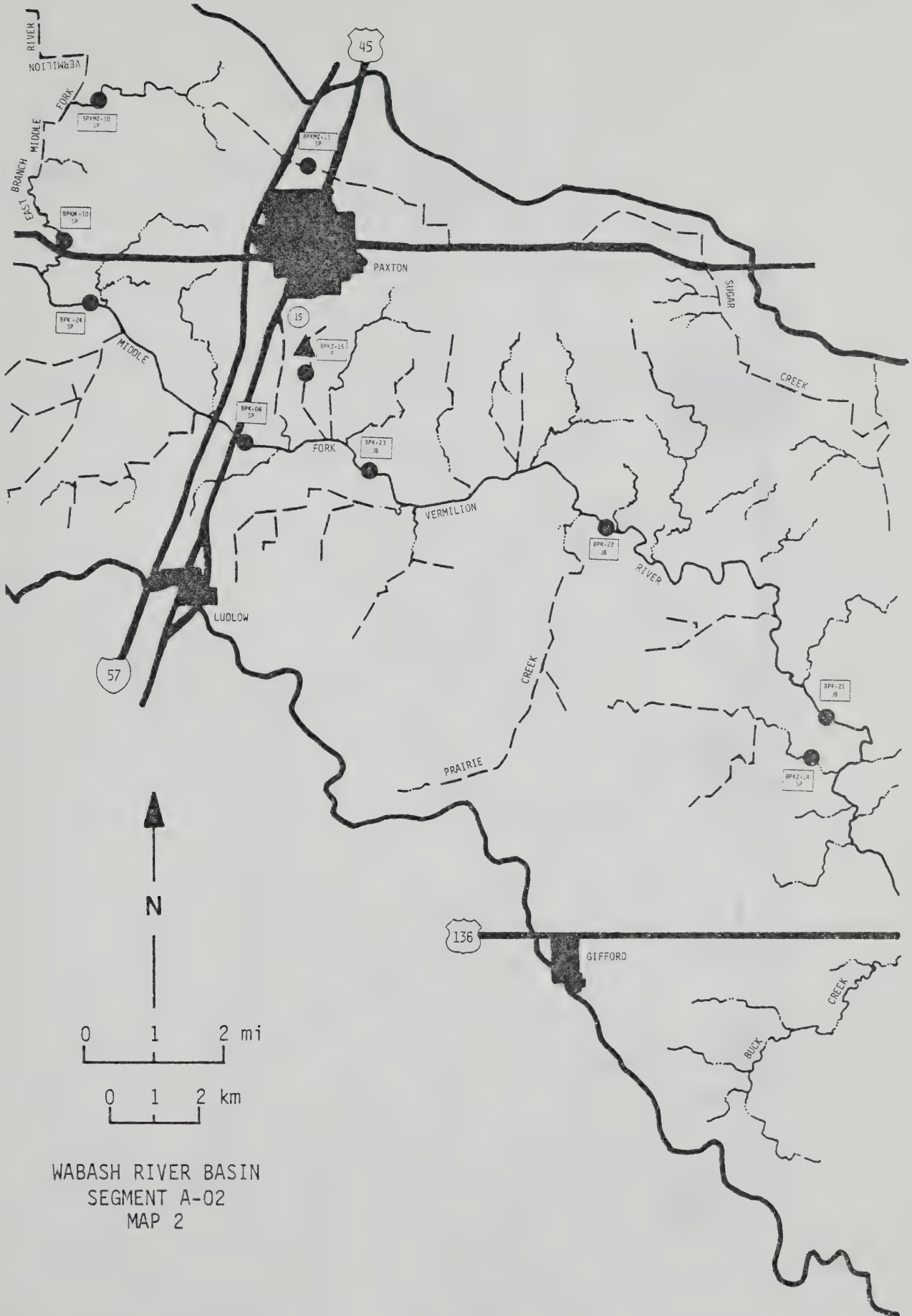


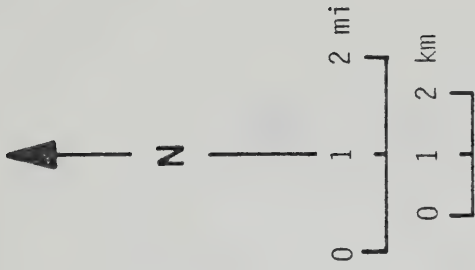
SKILLET FORK SEGMENT A-08





WABASH RIVER BASIN
SEGMENT A-02
MAP 1

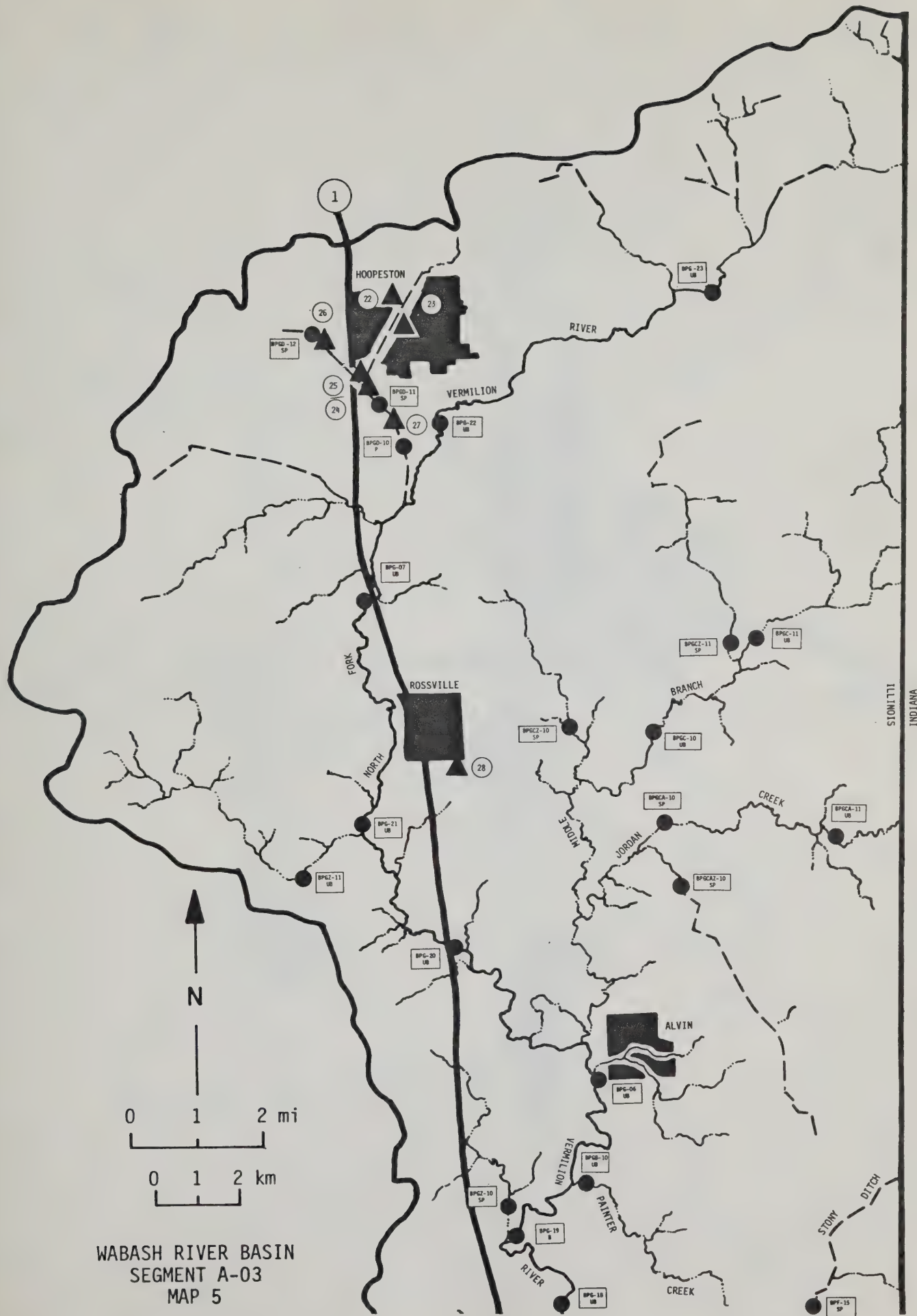




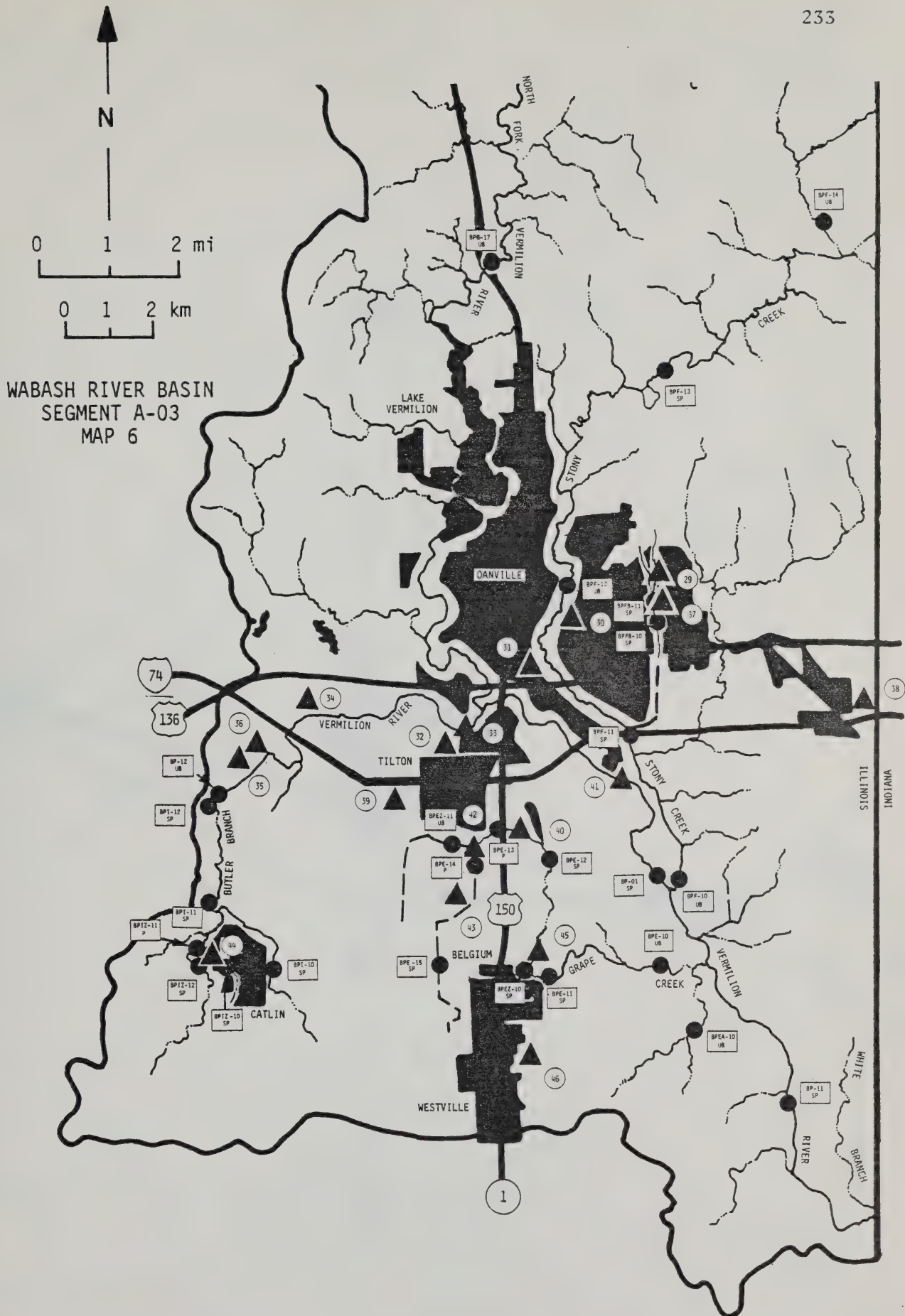
WABASH RIVER BASIN
SEGMENT A-02
MAP 3

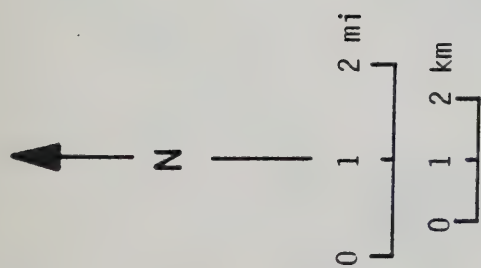




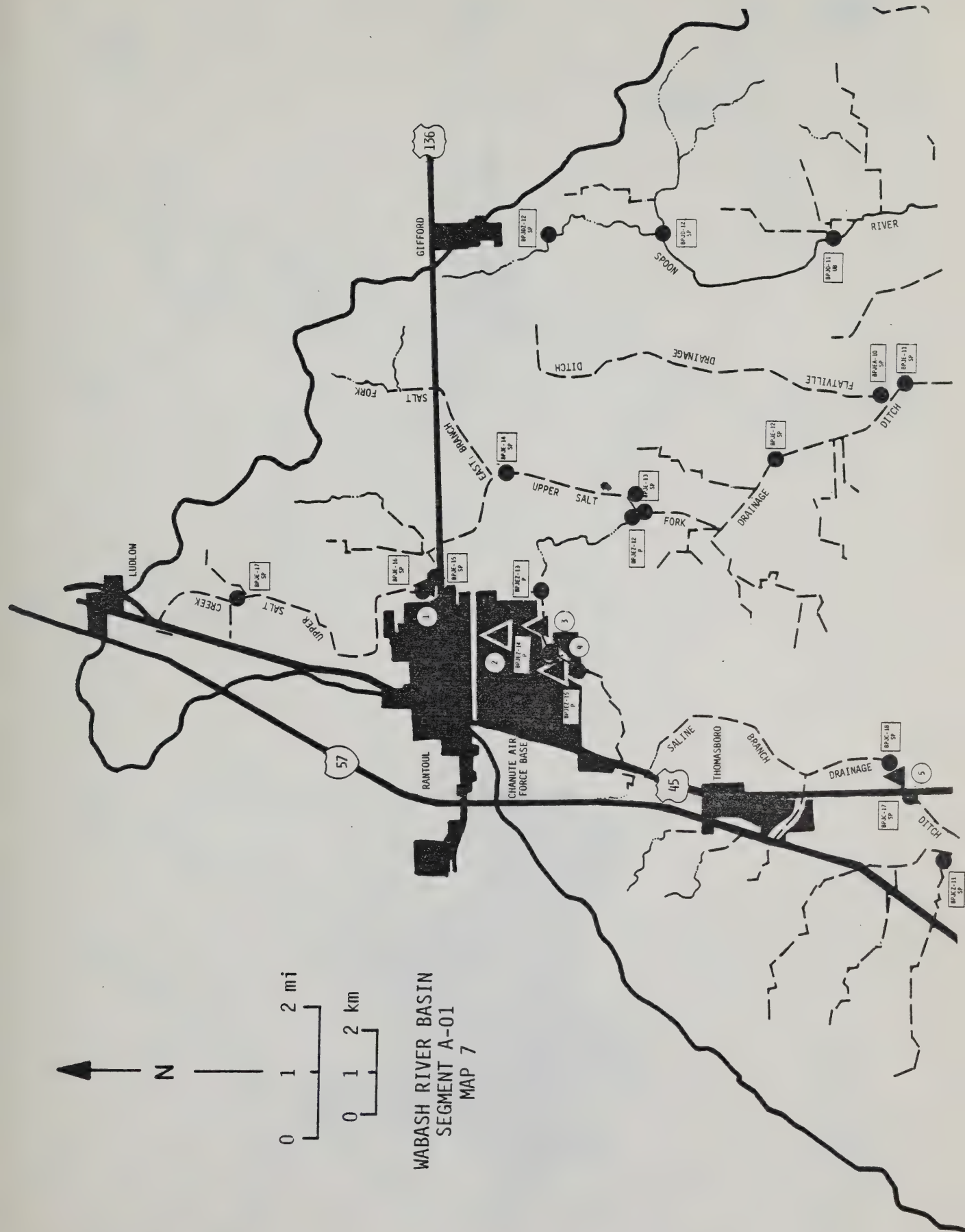


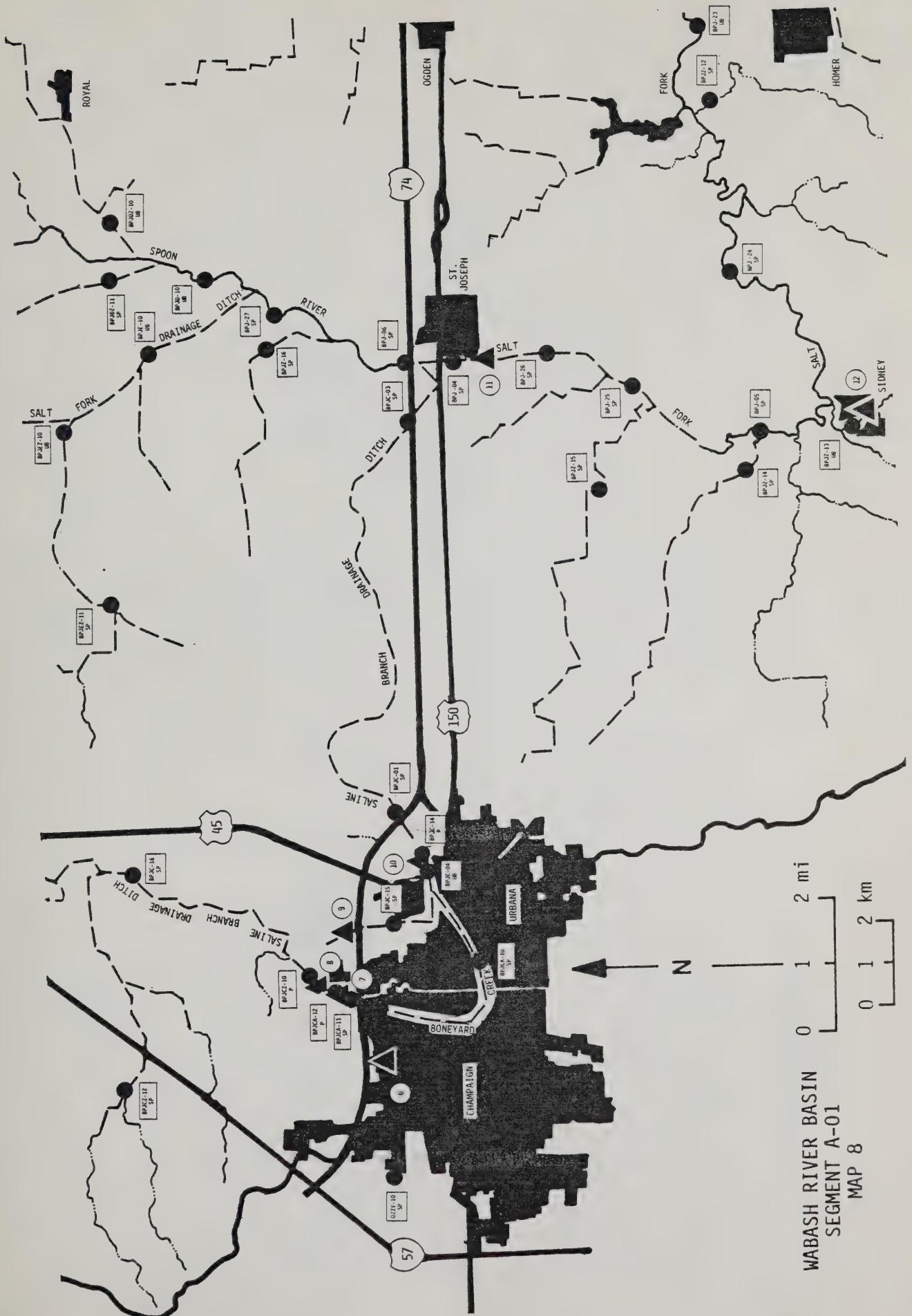
WABASH RIVER BASIN
SEGMENT A-03
MAP 5





WABASH RIVER BASIN
SEGMENT A-01
MAP 7

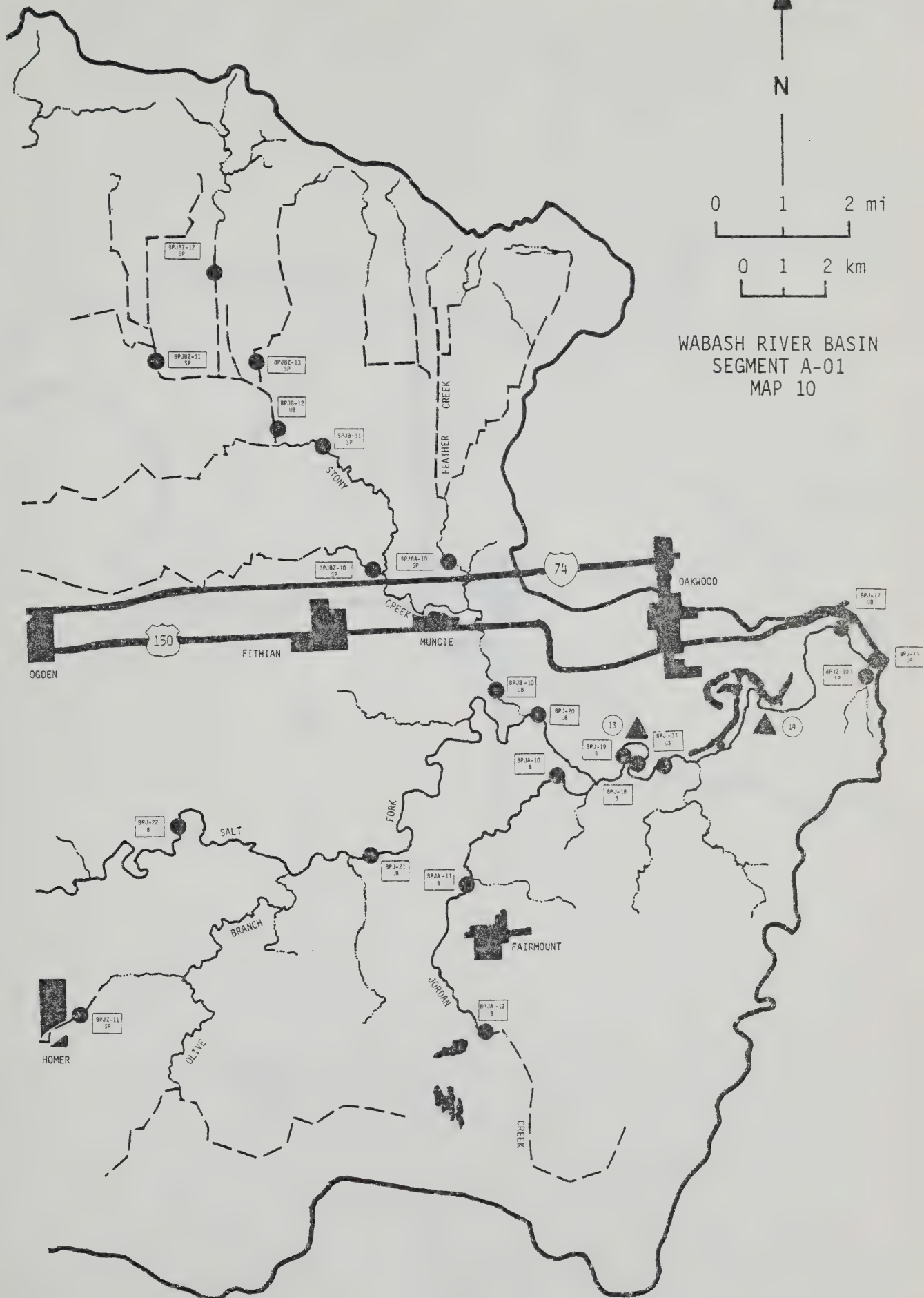


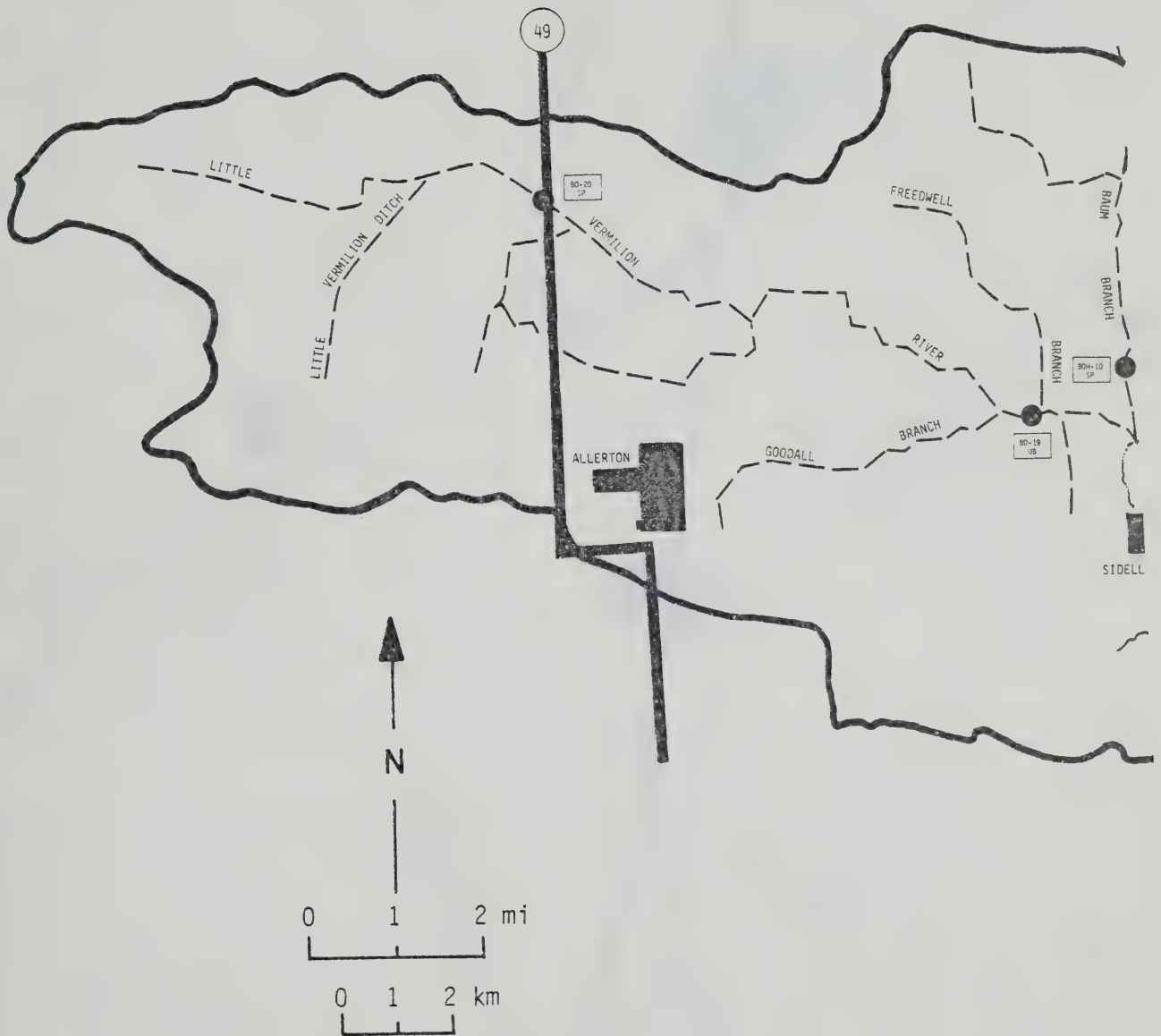


WABASH RIVER BASIN
SEGMENT A-01
MAP 8

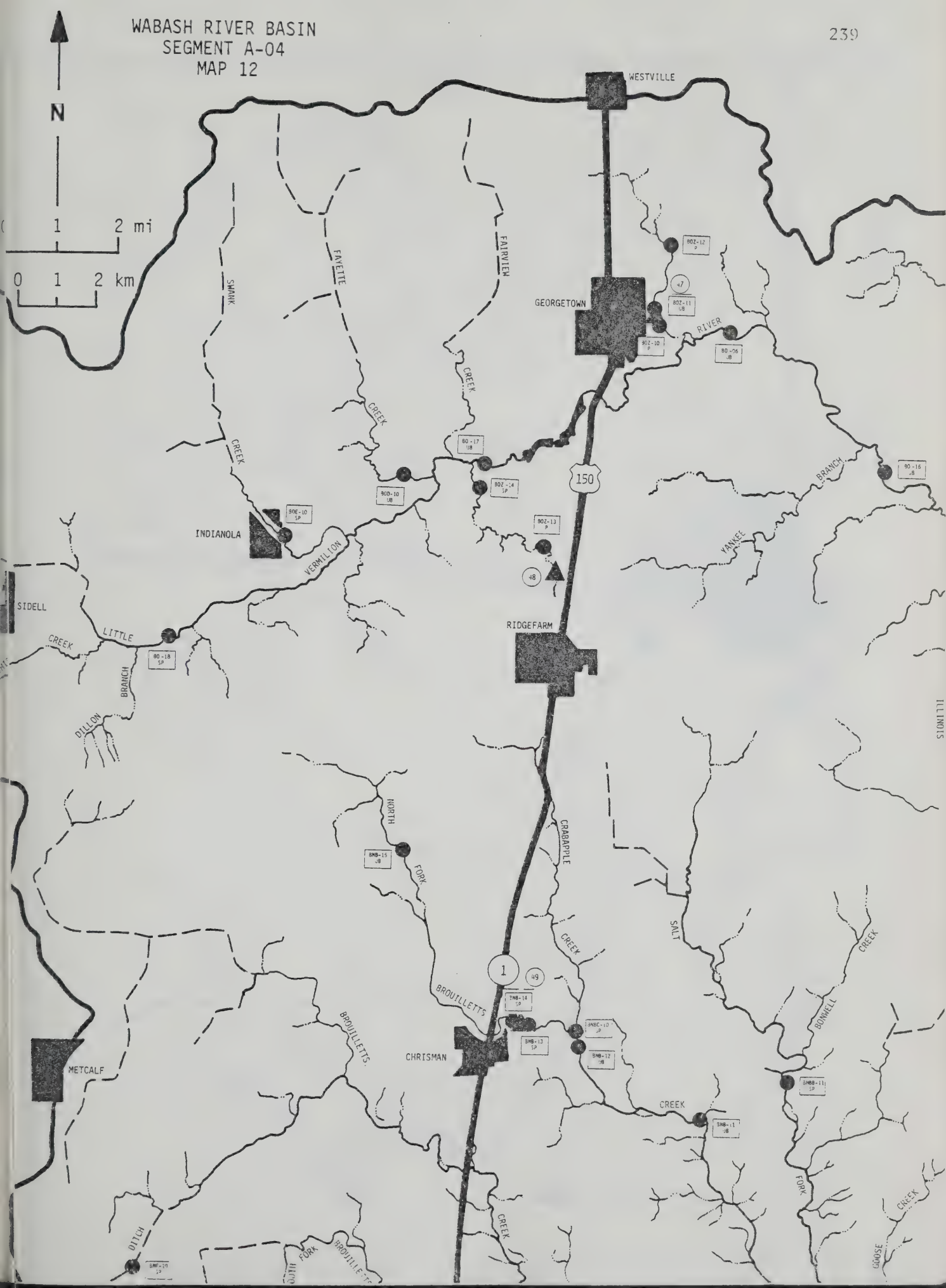


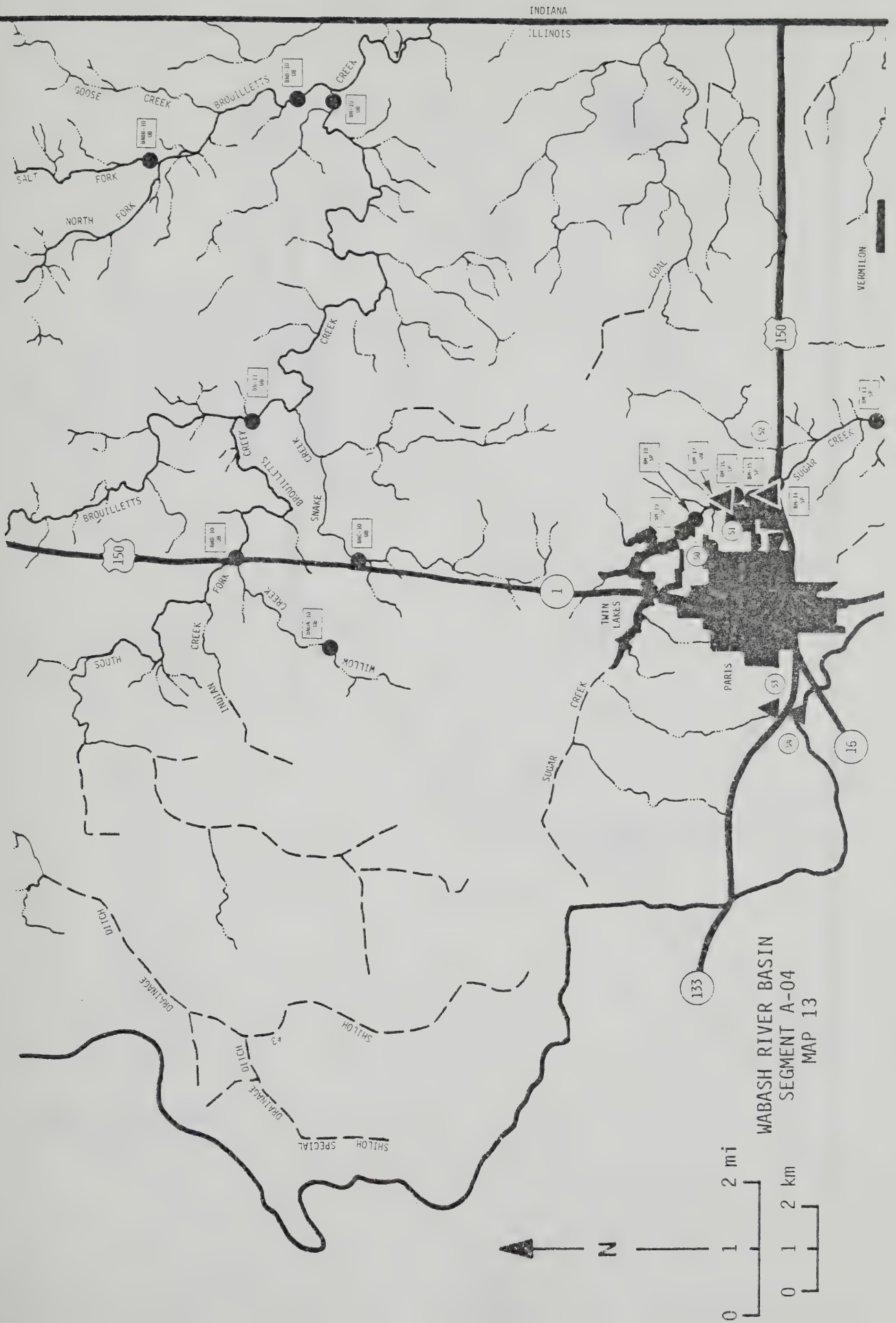
WABASH RIVER BASIN
SEGMENT A-1
MAP 9

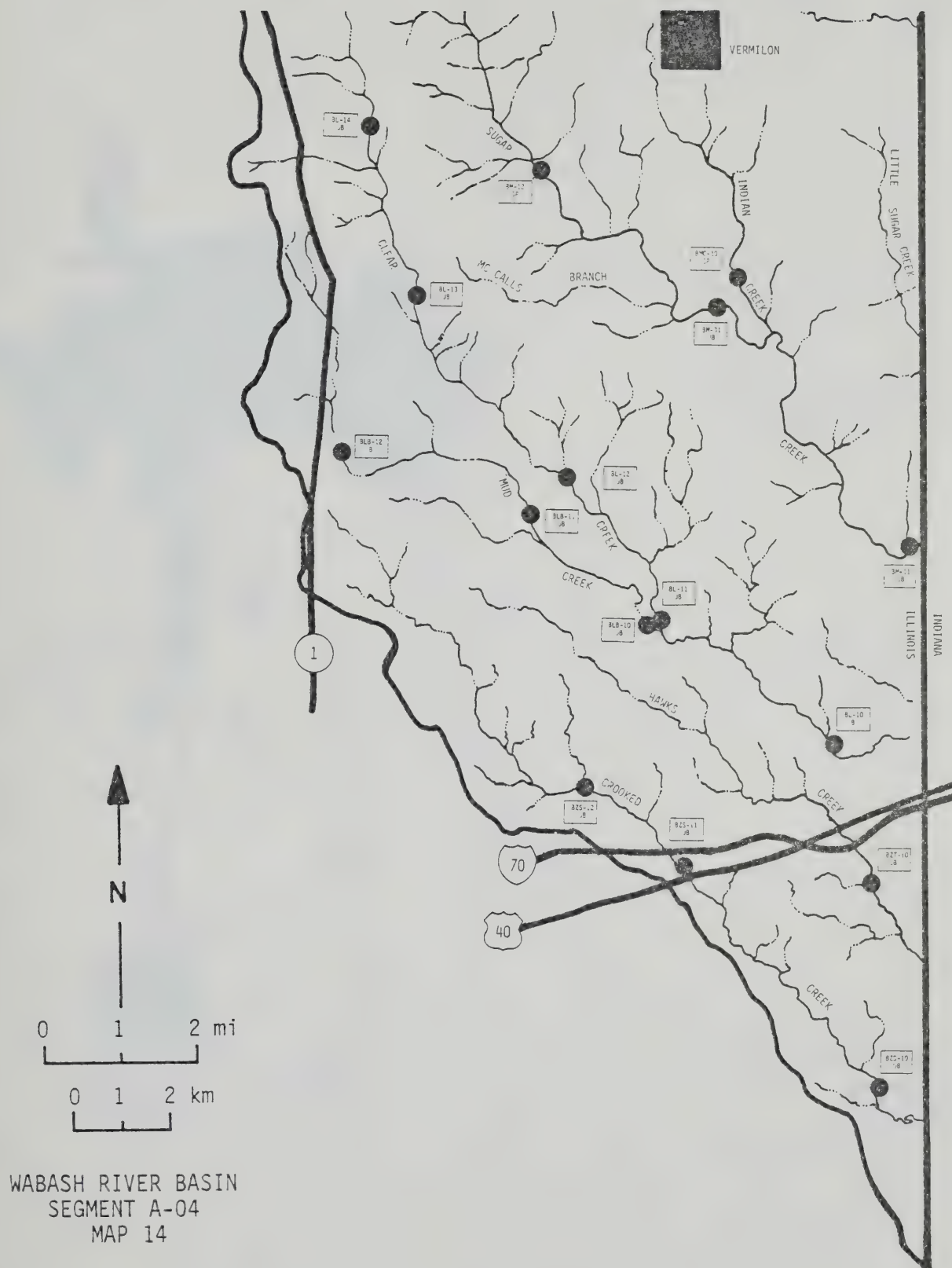


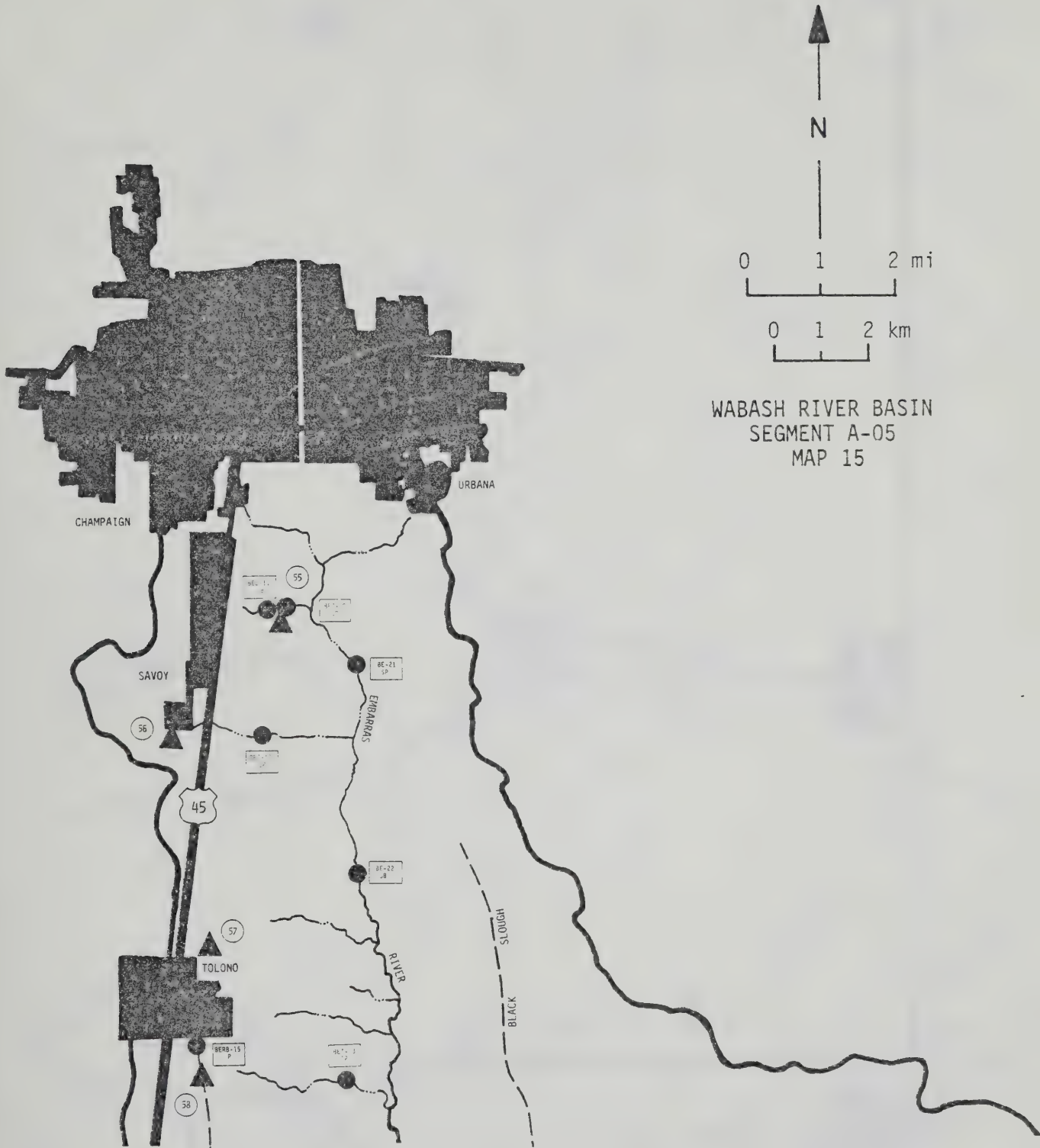


WABASH RIVER BASIN
SEGMENT A-04
MAP 11



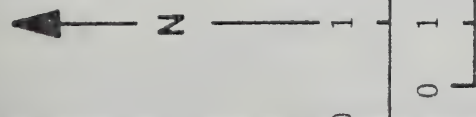


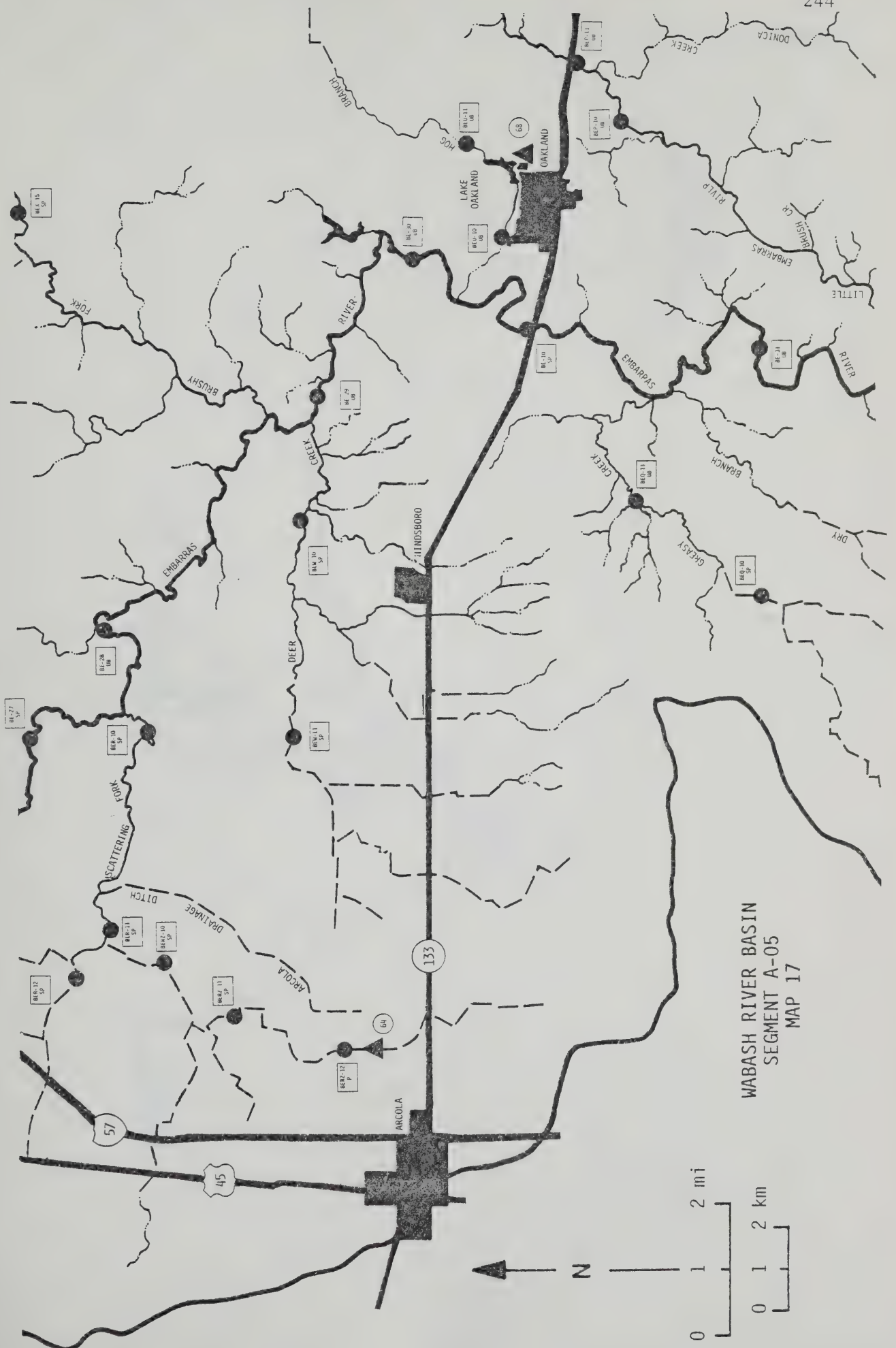




WABASH RIVER BASIN
SEGMENT A-05
MAP 15

WABASH RIVER BASIN
SEGMENT A-05
MAP 16

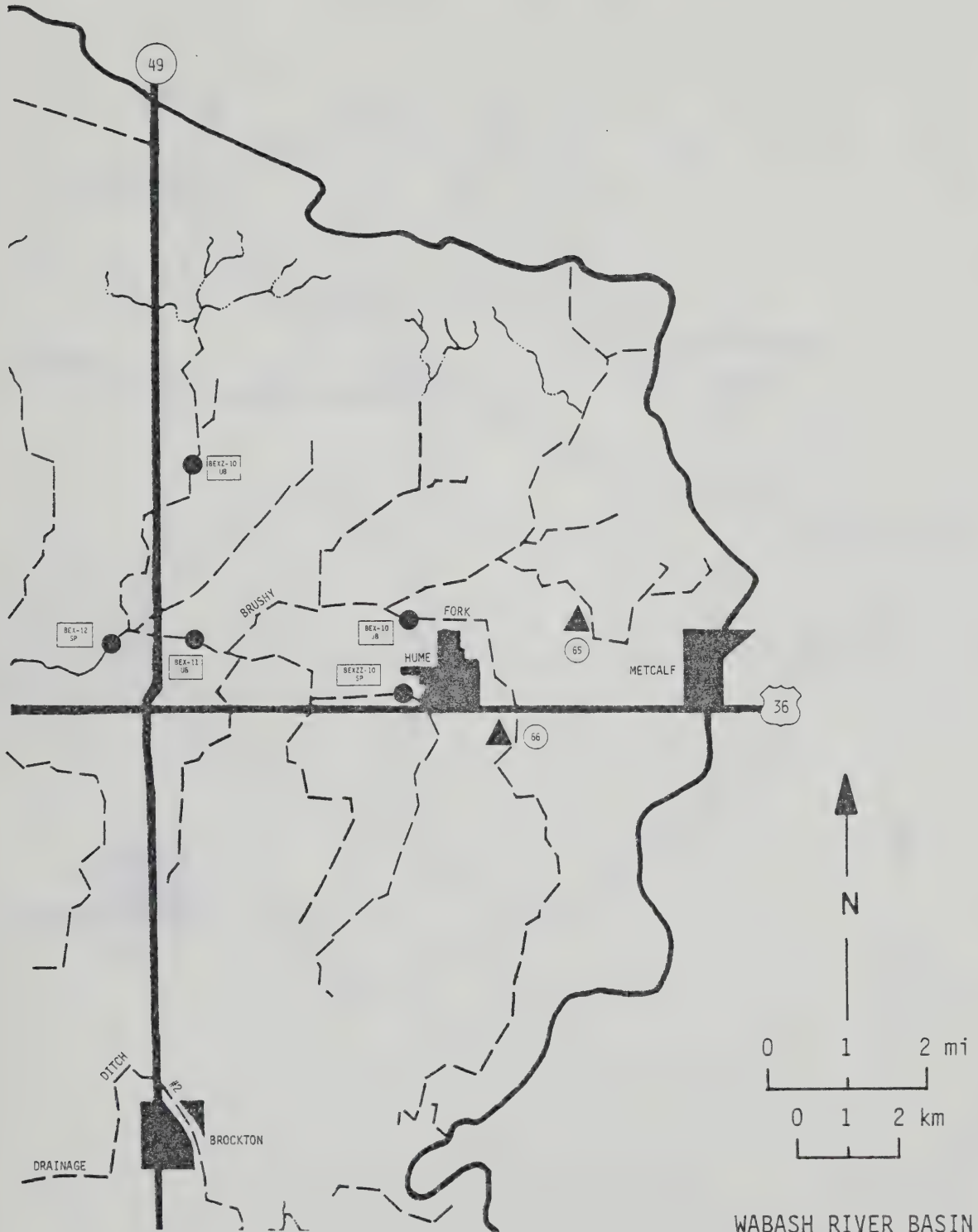




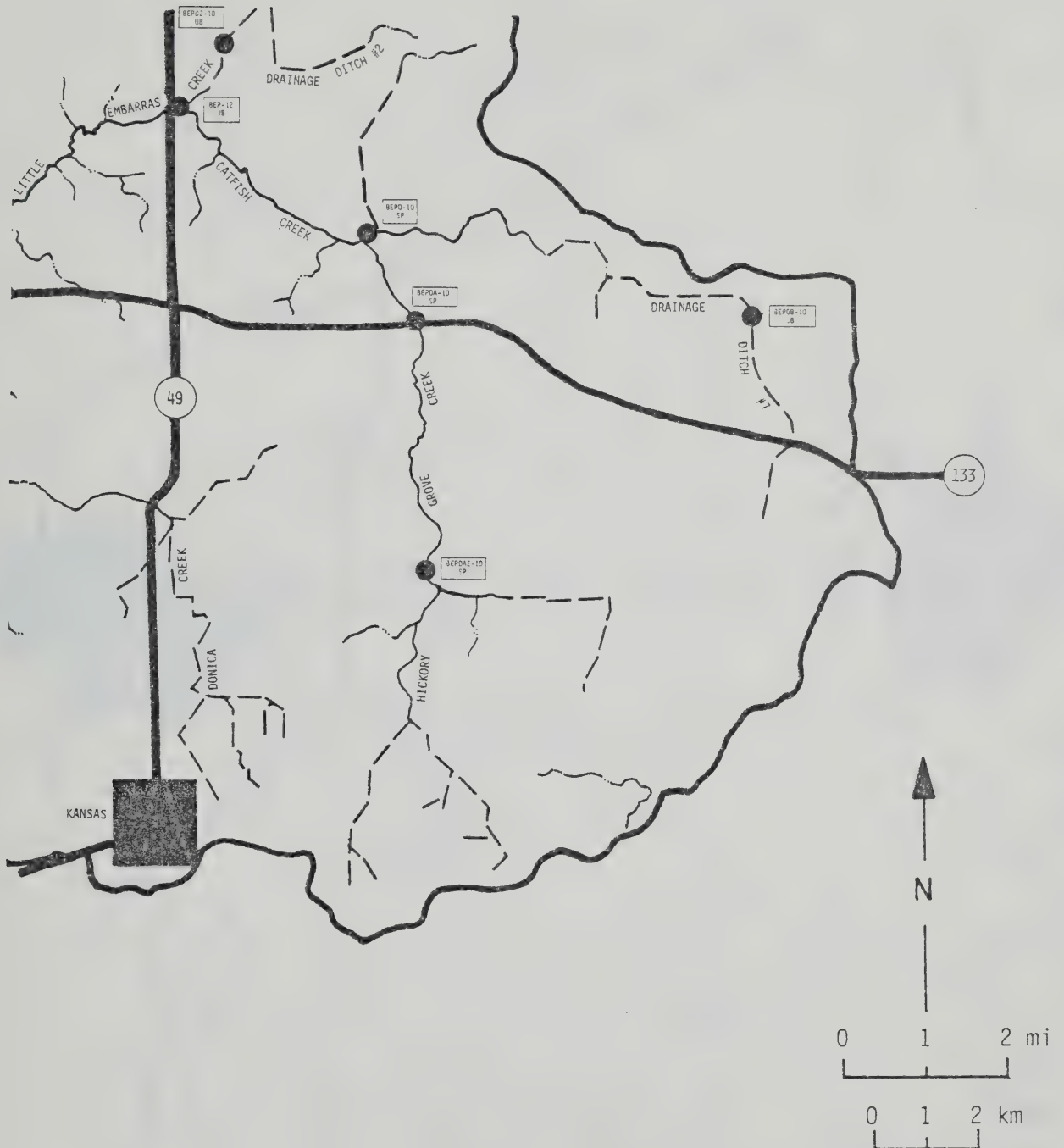
WABASH RIVER BASIN
SEGMENT A-05
MAP 17



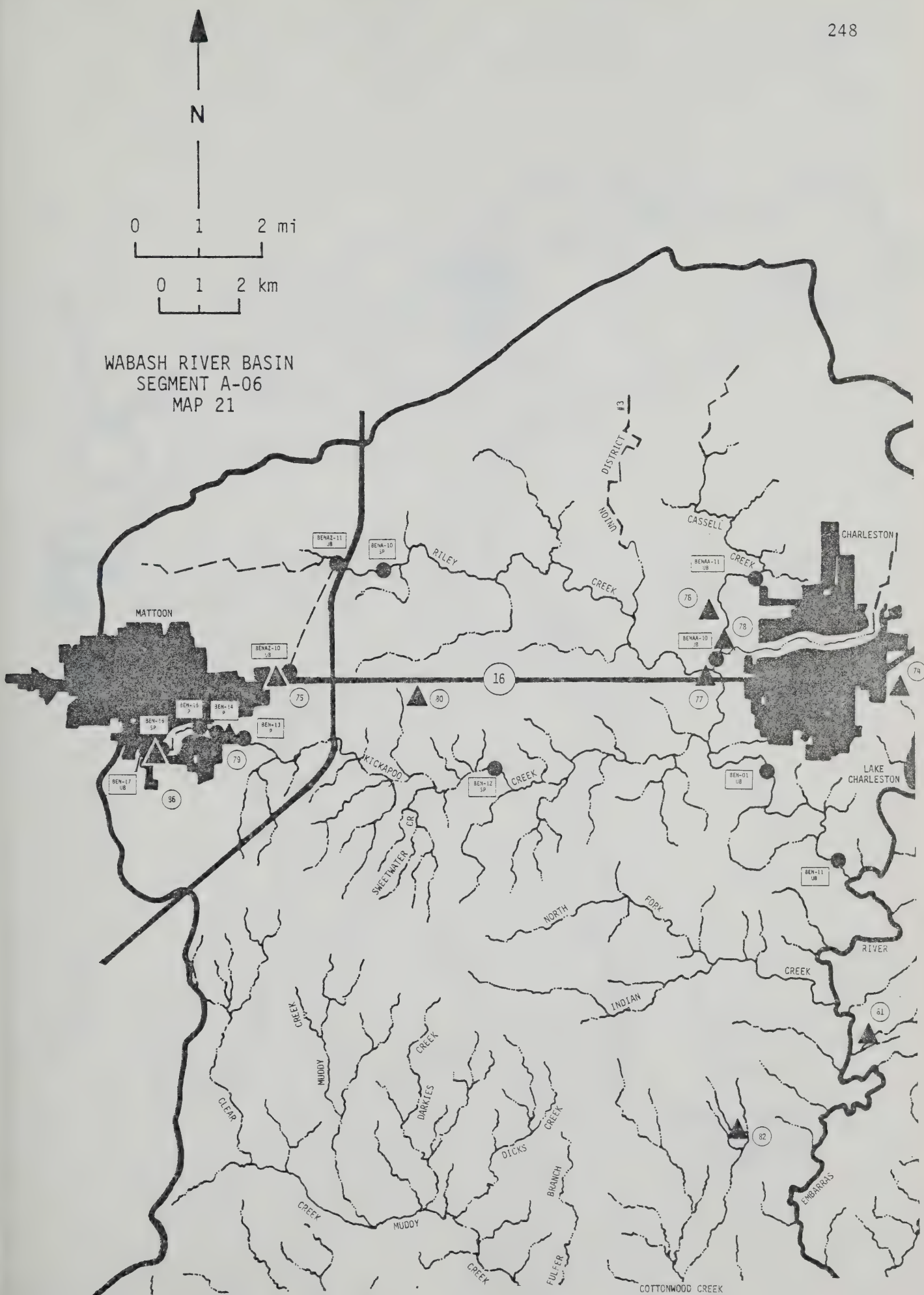
WABASH RIVER BASIN
SEGMENT A-05
MAP 18

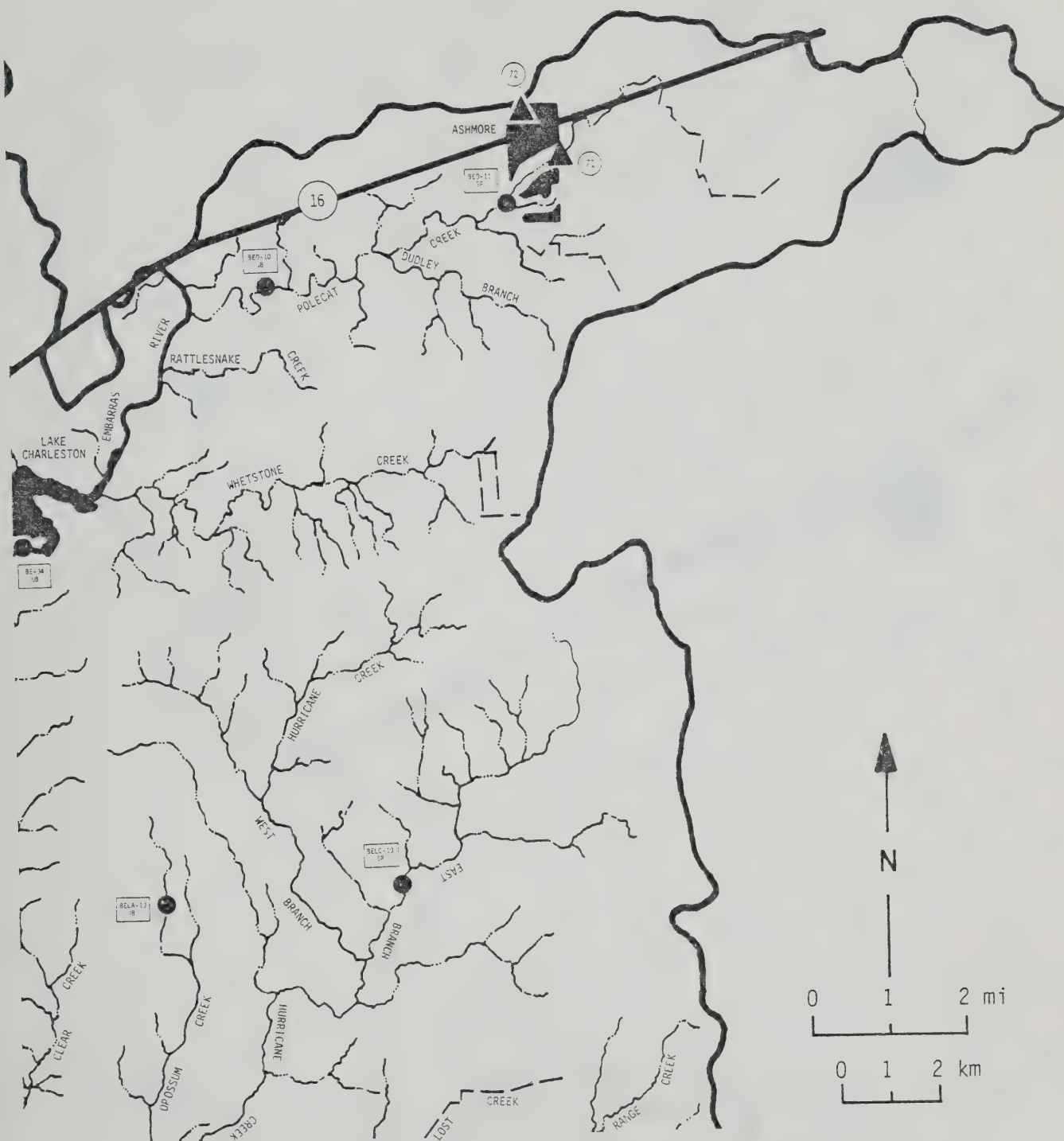


WABASH RIVER BASIN
SEGMENT A-05
MAP 19



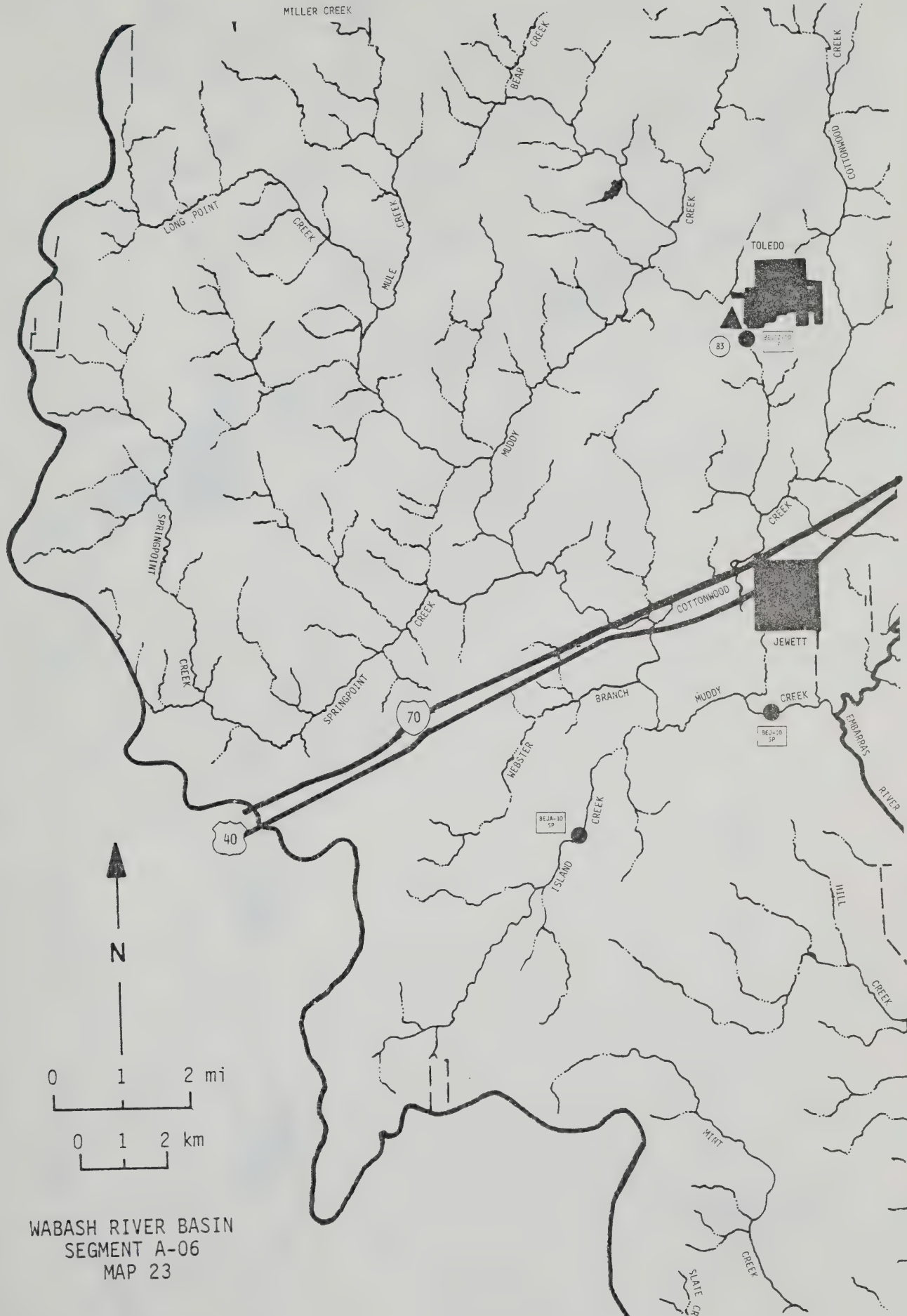
WABASH RIVER BASIN
SEGMENT A-05
MAP 20





WABASH RIVER BASIN
SEGMENT A-06
MAP 22

MILLER CREEK



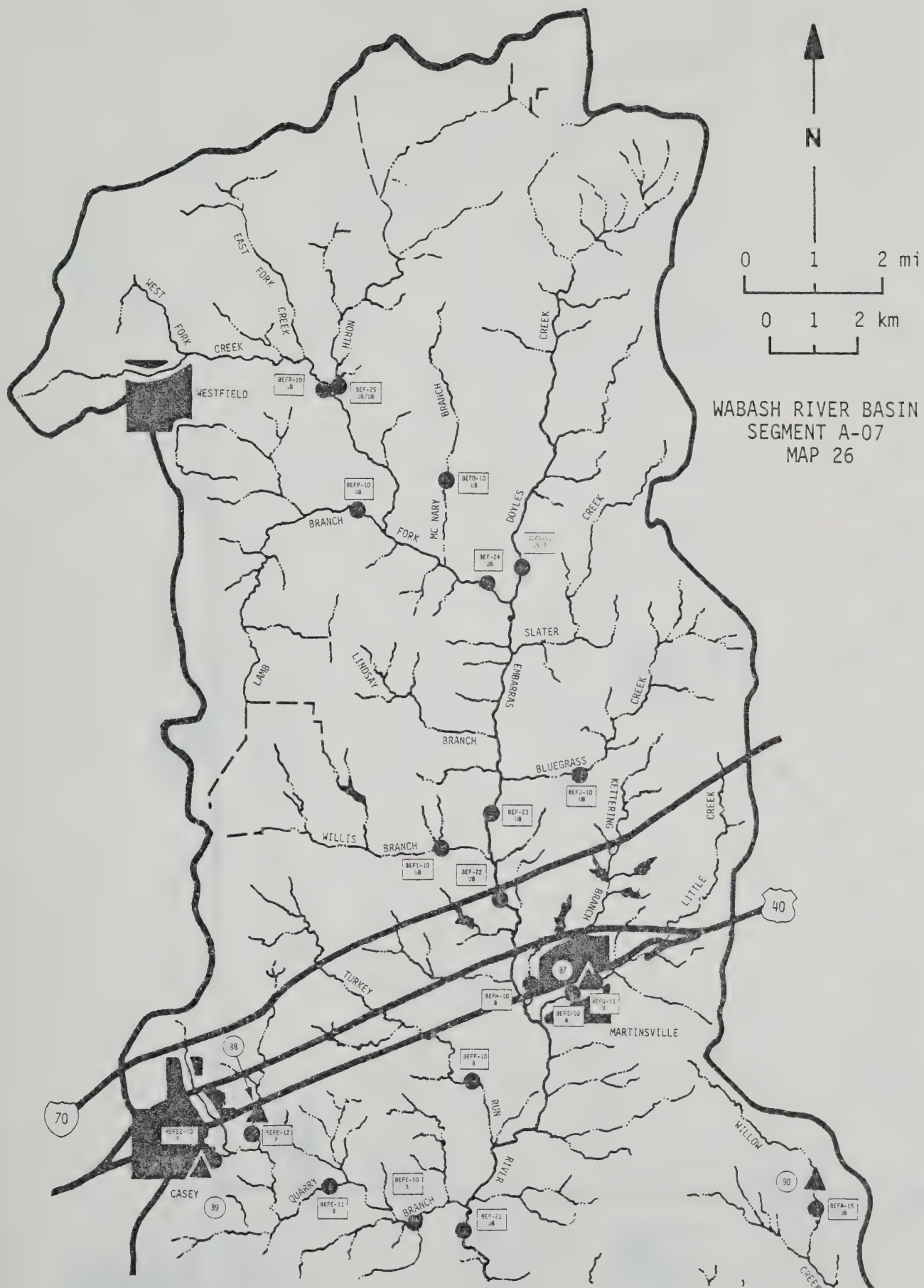
WABASH RIVER BASIN
SEGMENT A-06
MAP 23



WABASH RIVER BASIN
SEGMENT A-06
MAP 24



WABASH RIVER BASIN
SEGMENT A-06
MAP 25

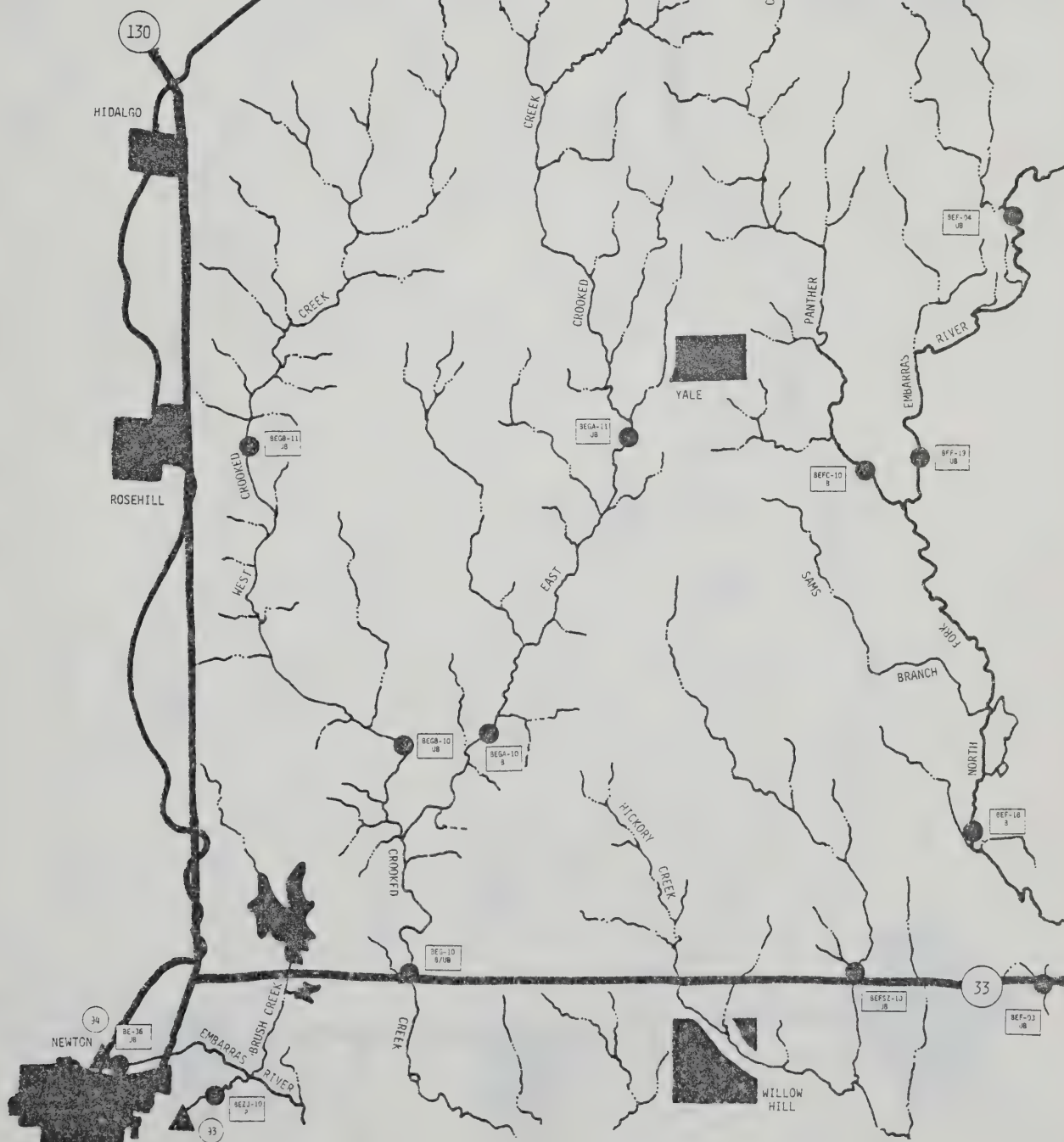


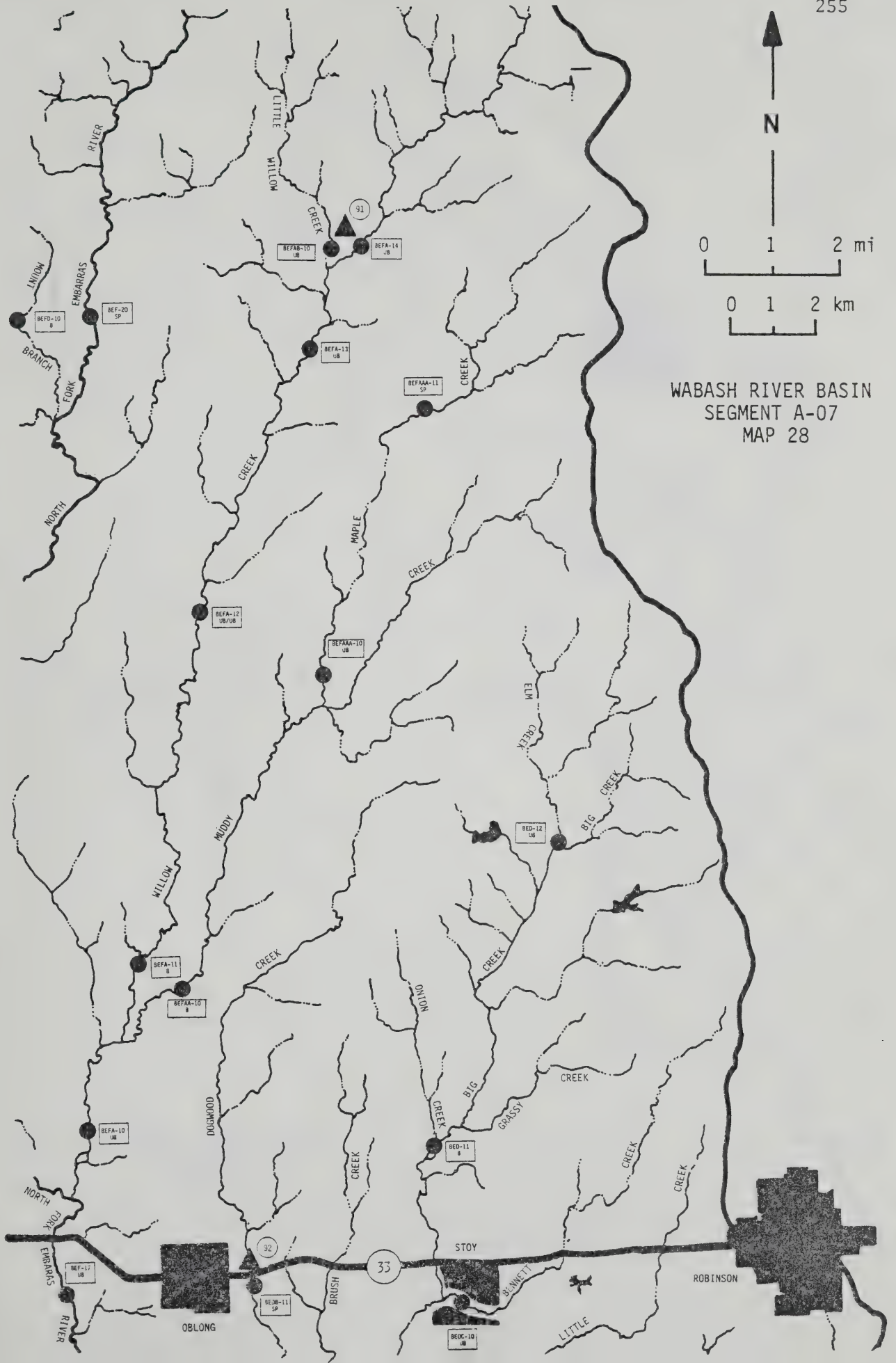
N

0 1 2 mi

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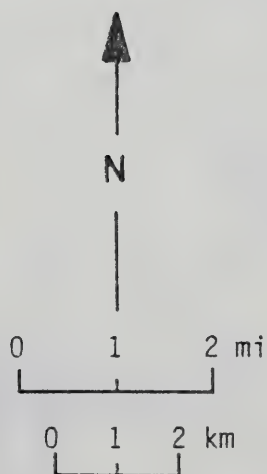
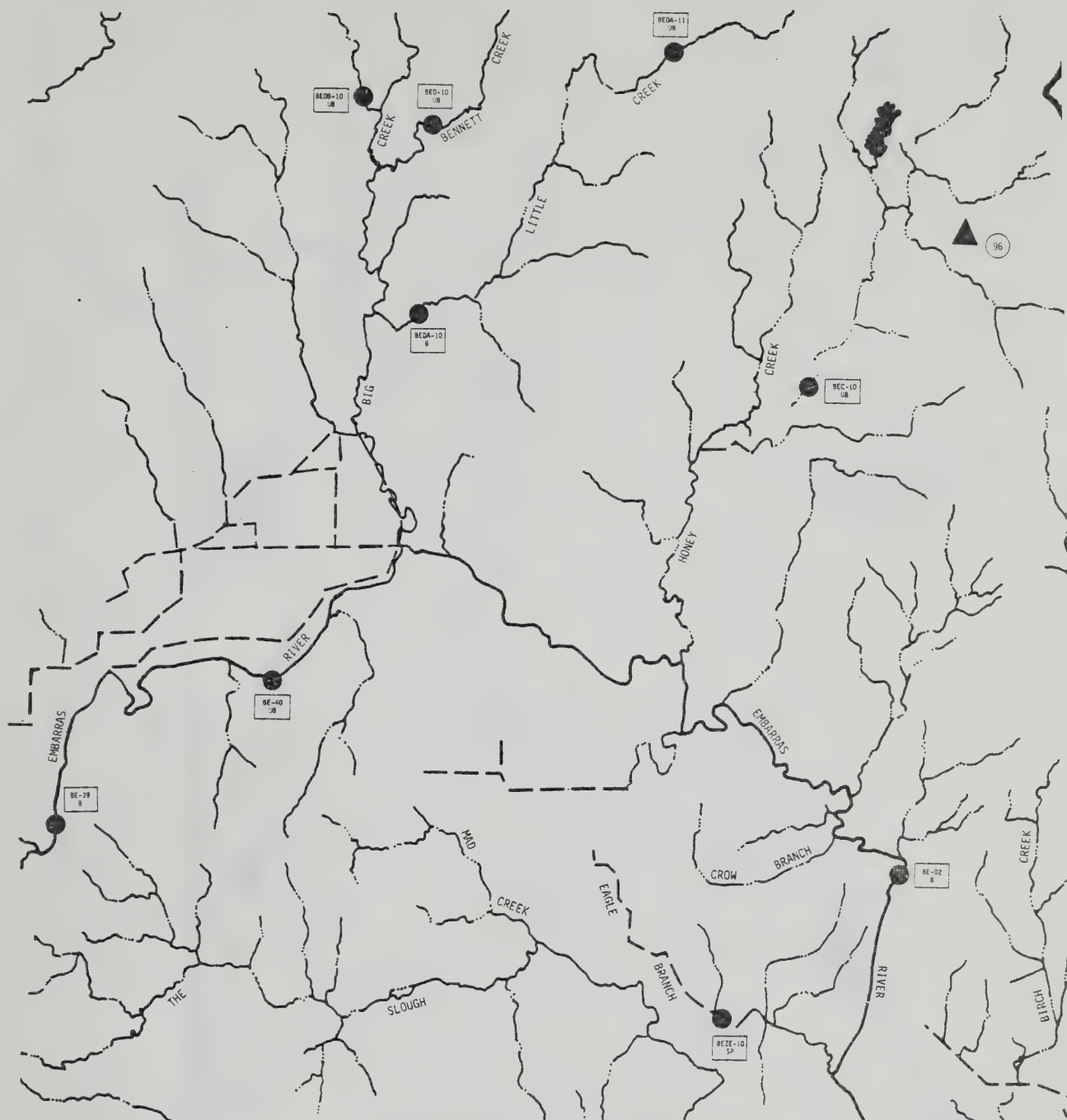
WABASH RIVER BASIN
SEGMENT A-07
MAP 27



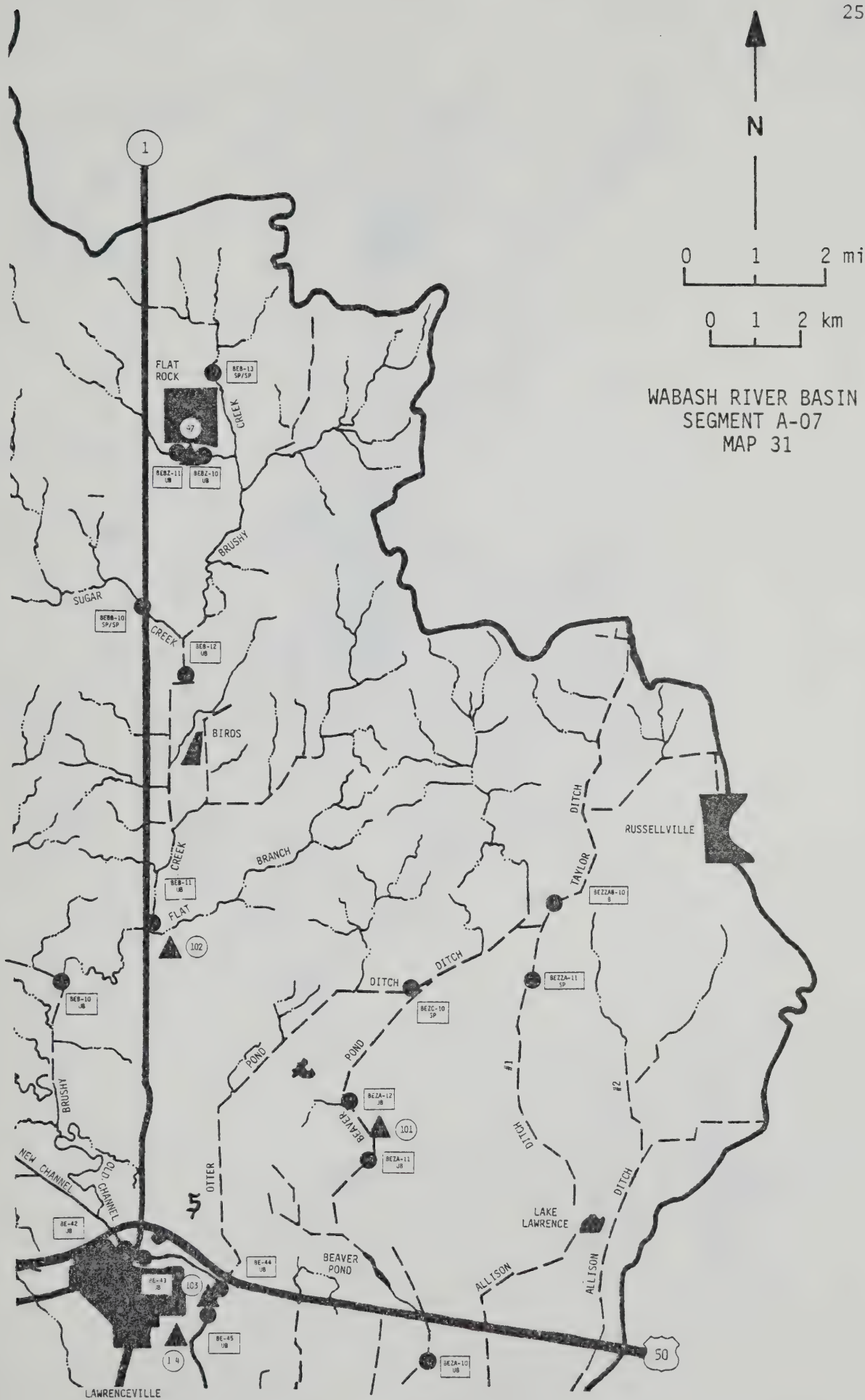


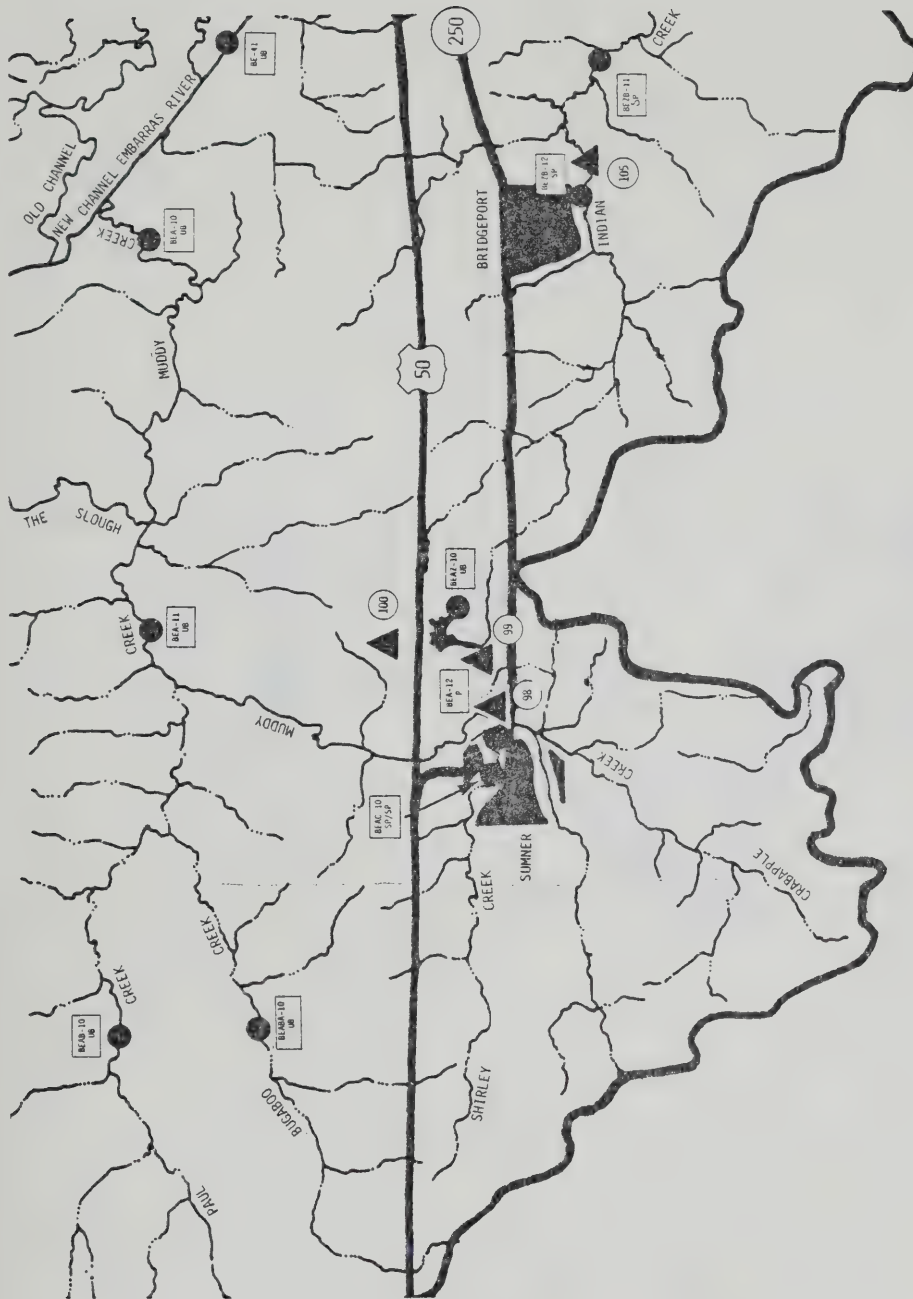
WABASH RIVER BASIN
SEGMENT A-07
MAP 28





WABASH RIVER BASIN
SEGMENT A-07
MAP 30

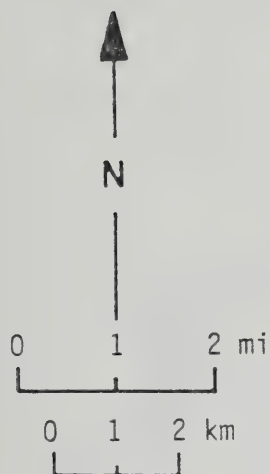




WABASH RIVER BASIN
SEGMENT A-07
MAP 32



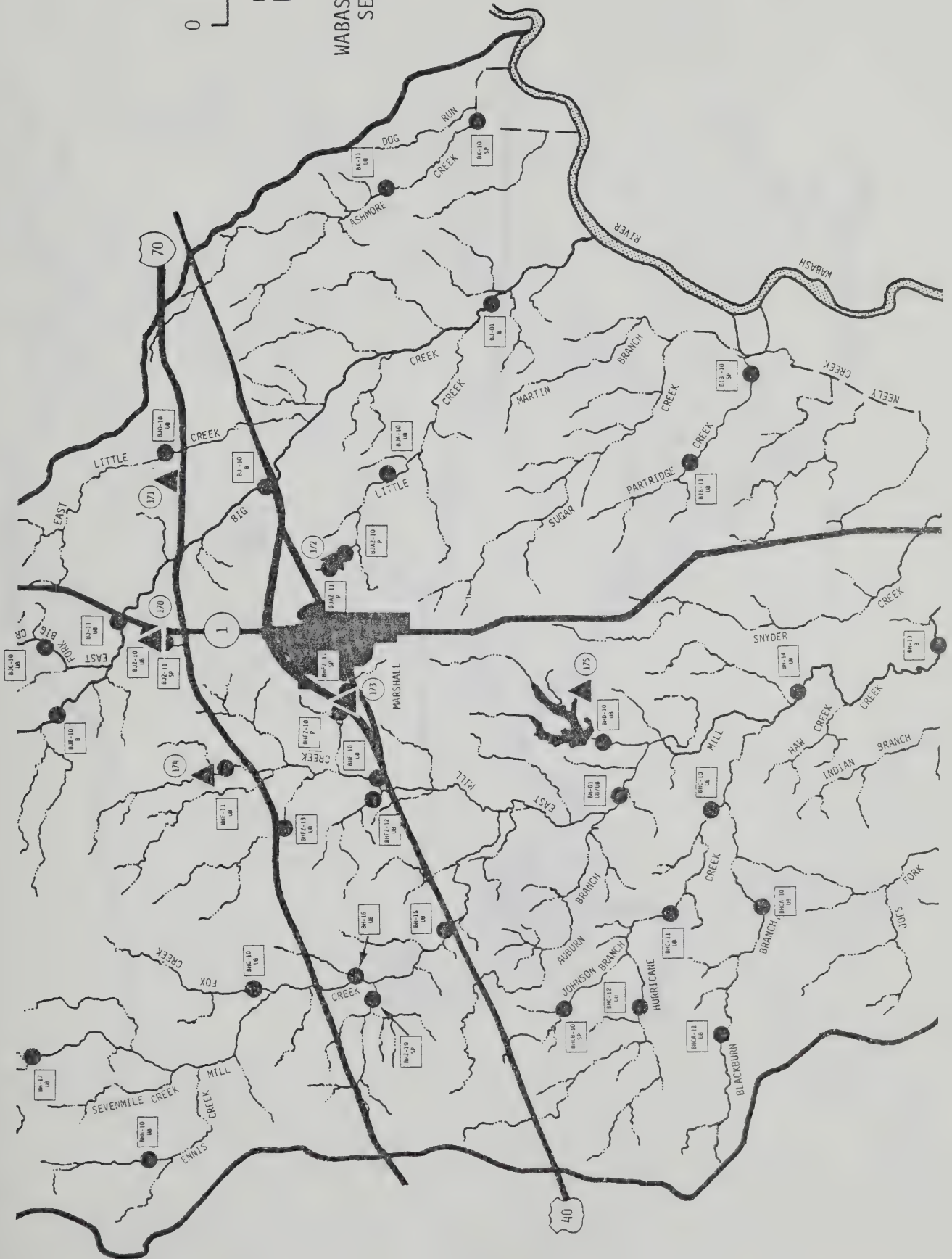
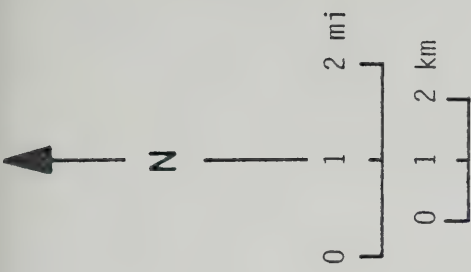
WABASH RIVER BASIN
SEGMENT A-07
MAP 33

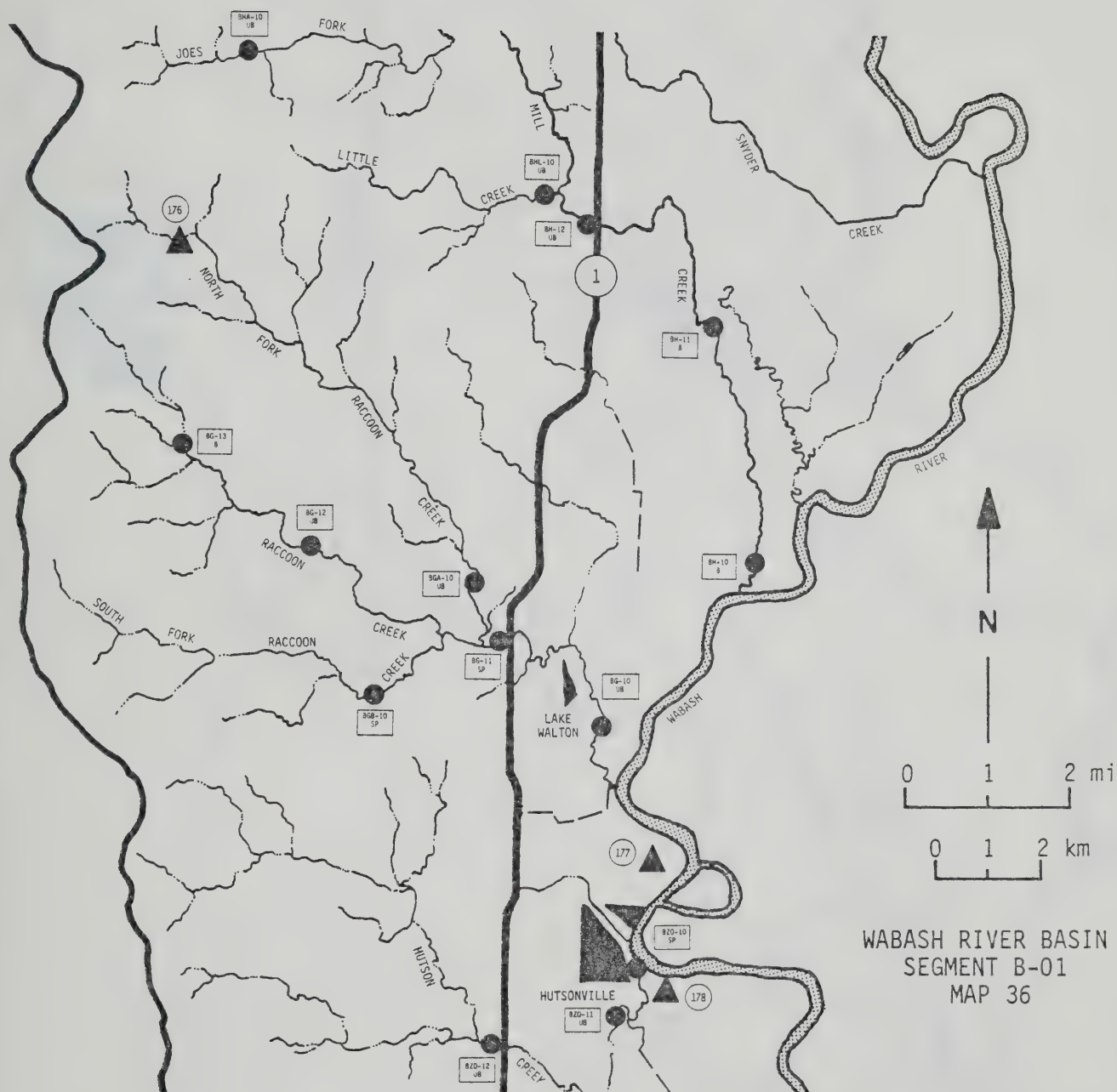


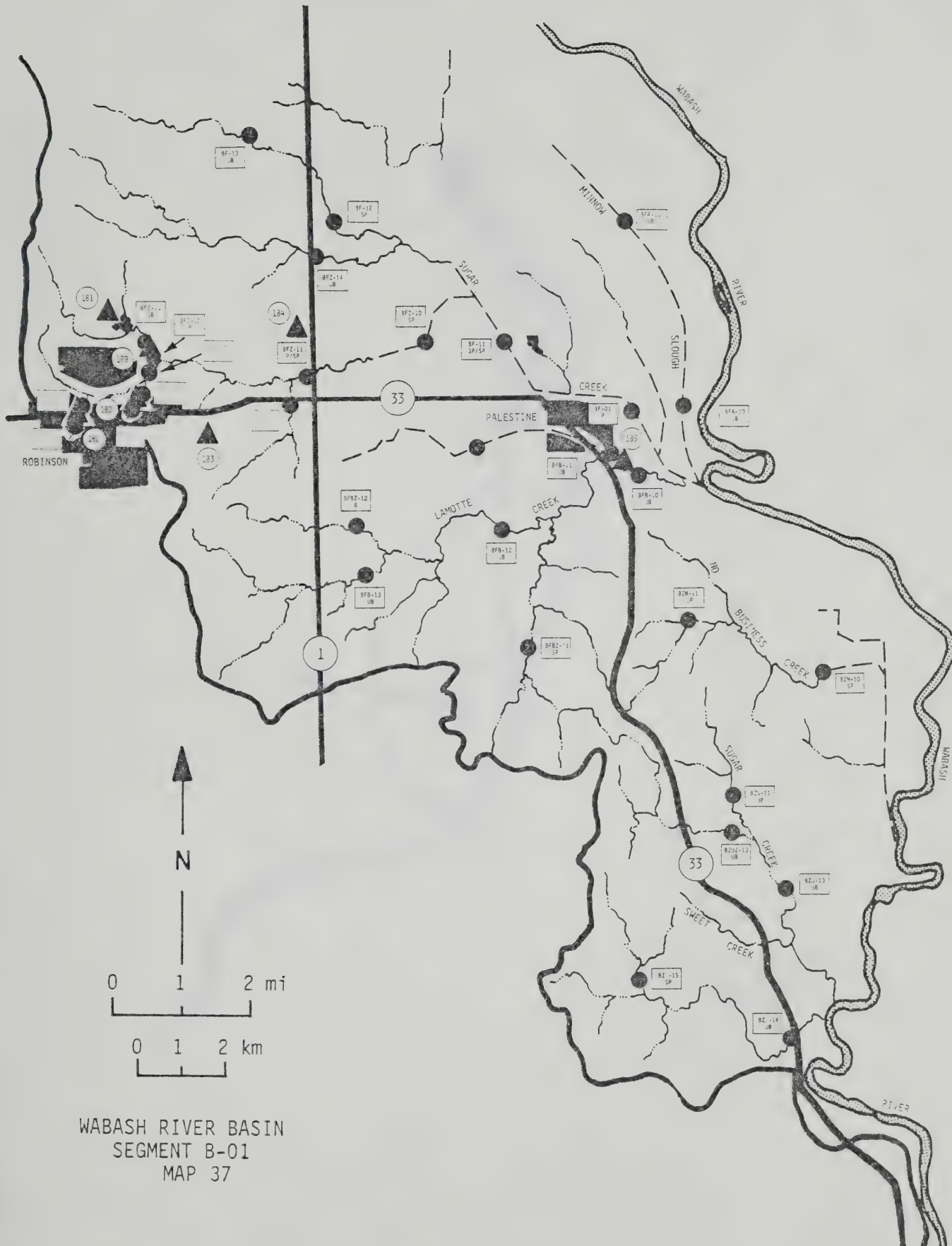
WABASH RIVER BASIN
SEGMENT B-01
MAP 34

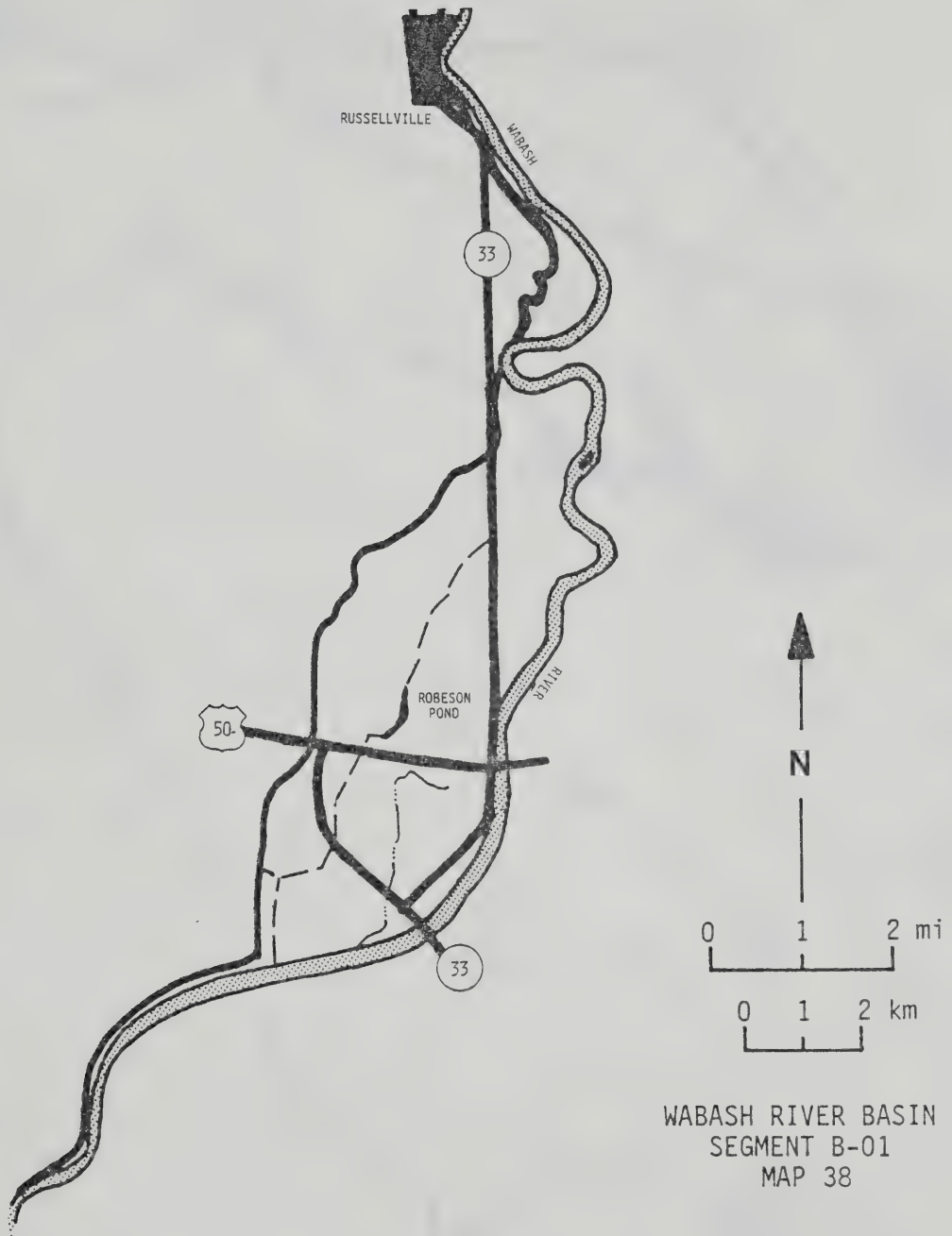


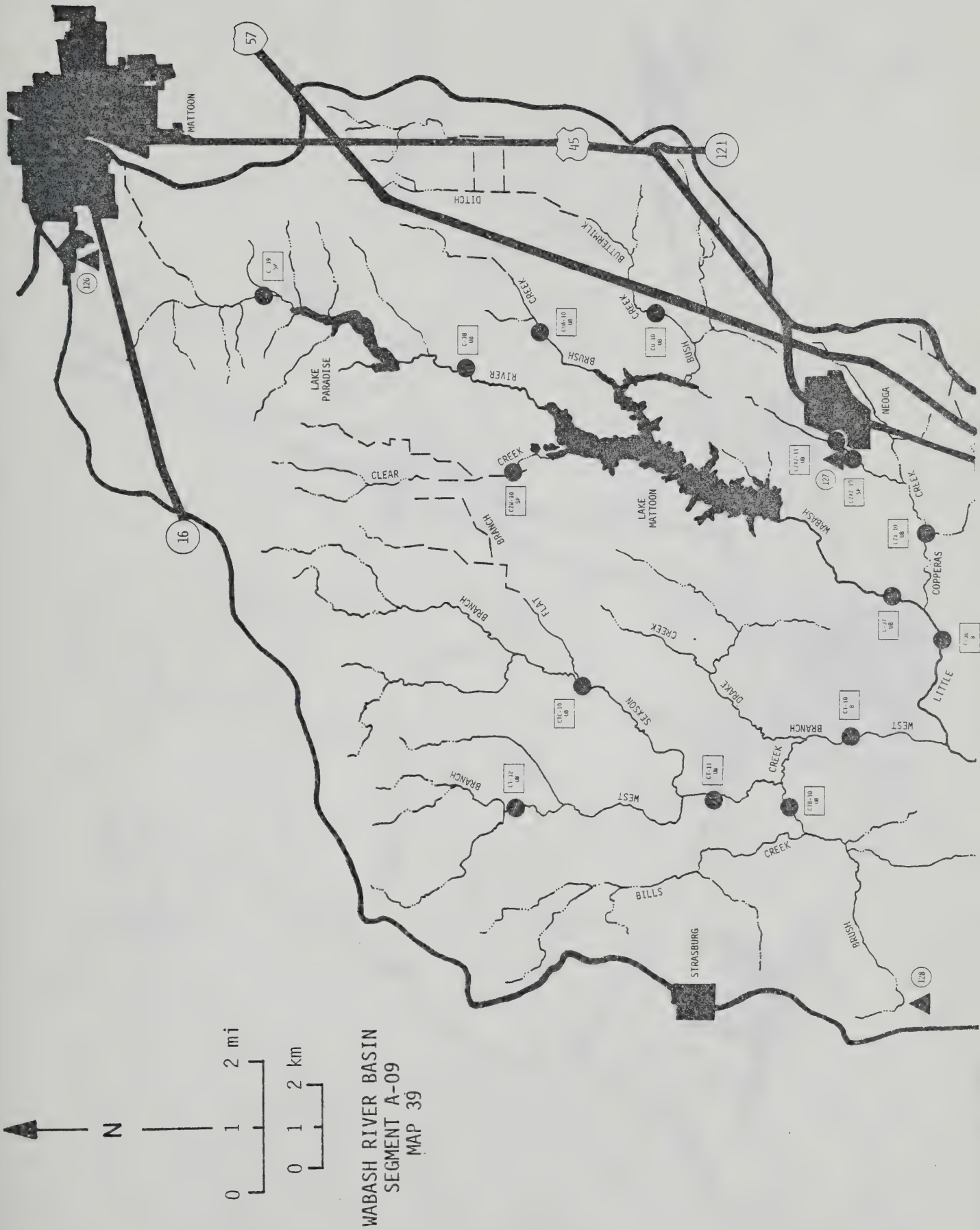
WABASH RIVER BASIN
SEGMENT B-01
MAP 35

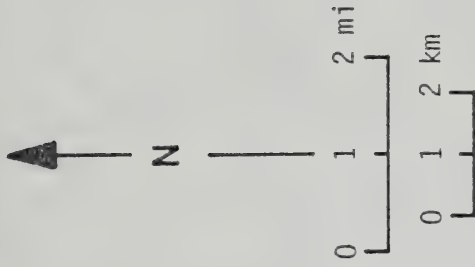




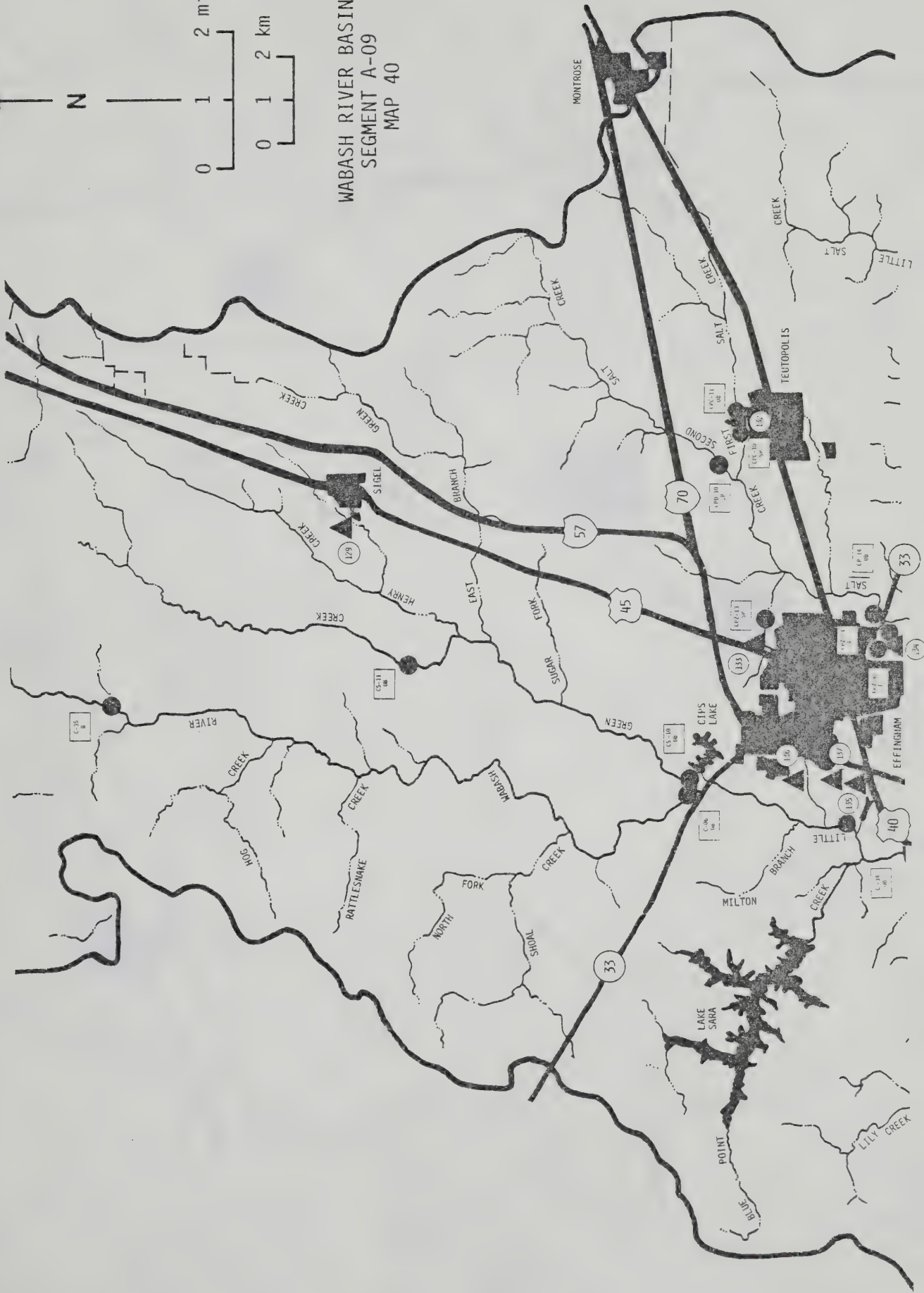


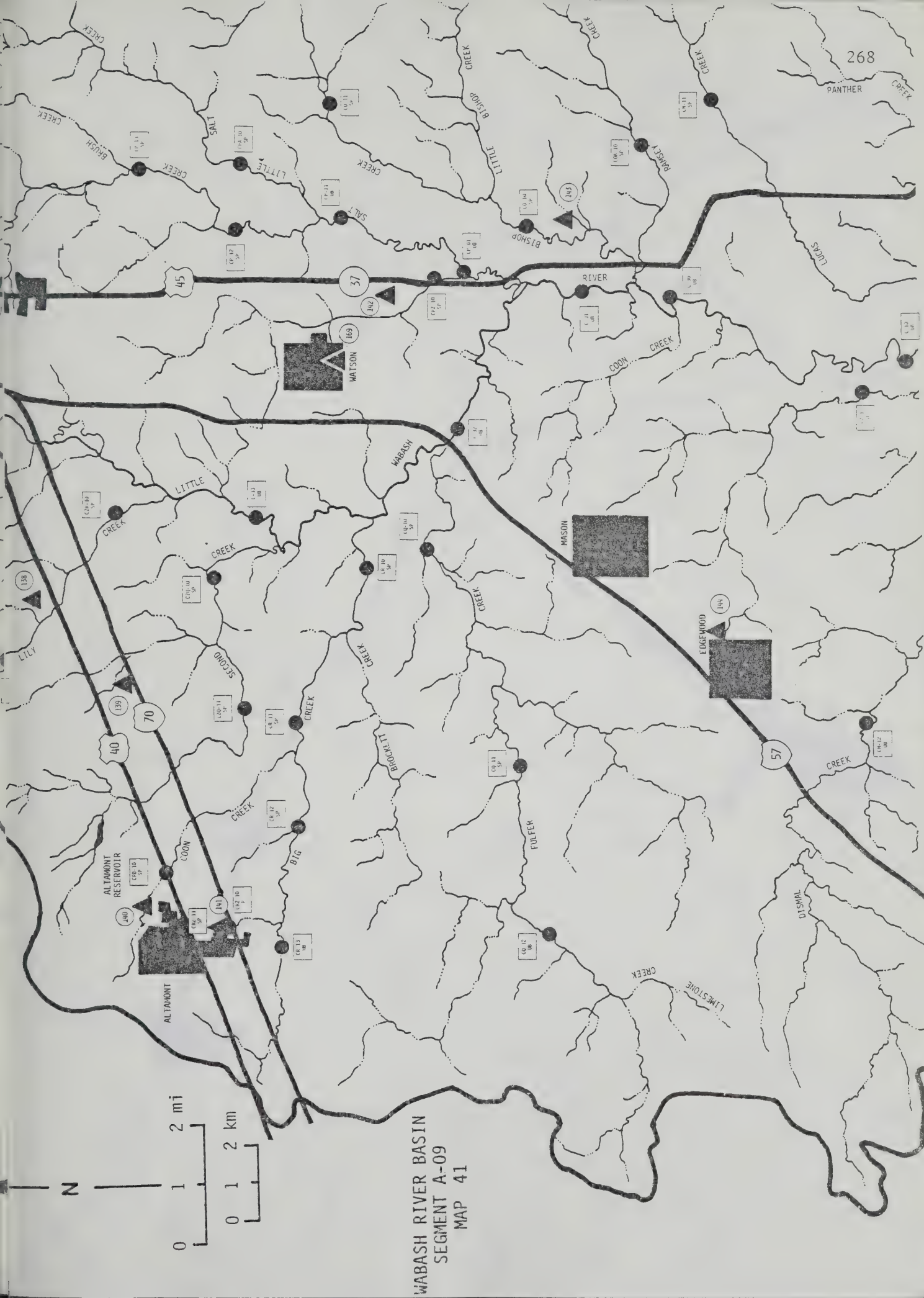




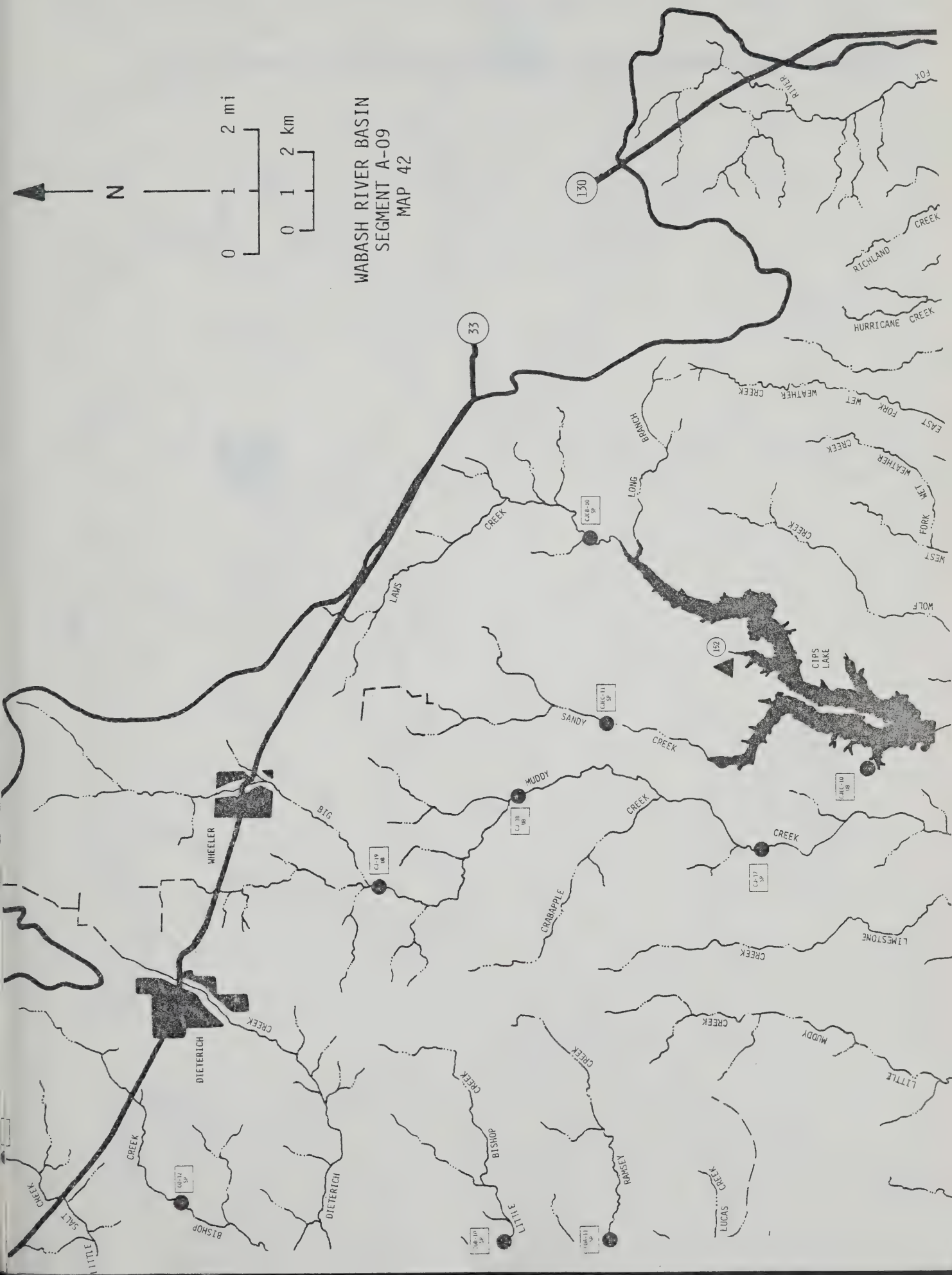


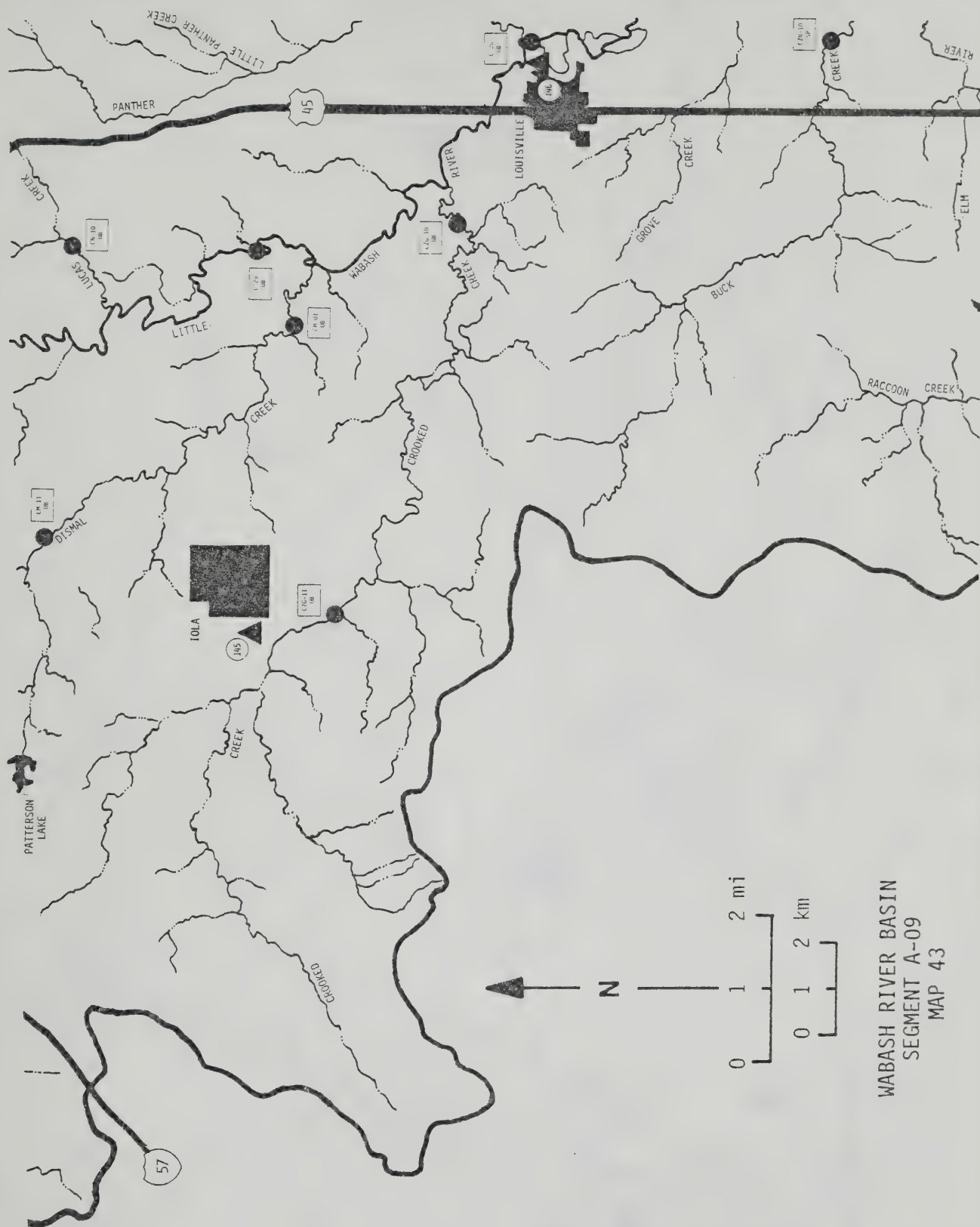
WABASH RIVER BASIN
SEGMENT A-09
MAP 40





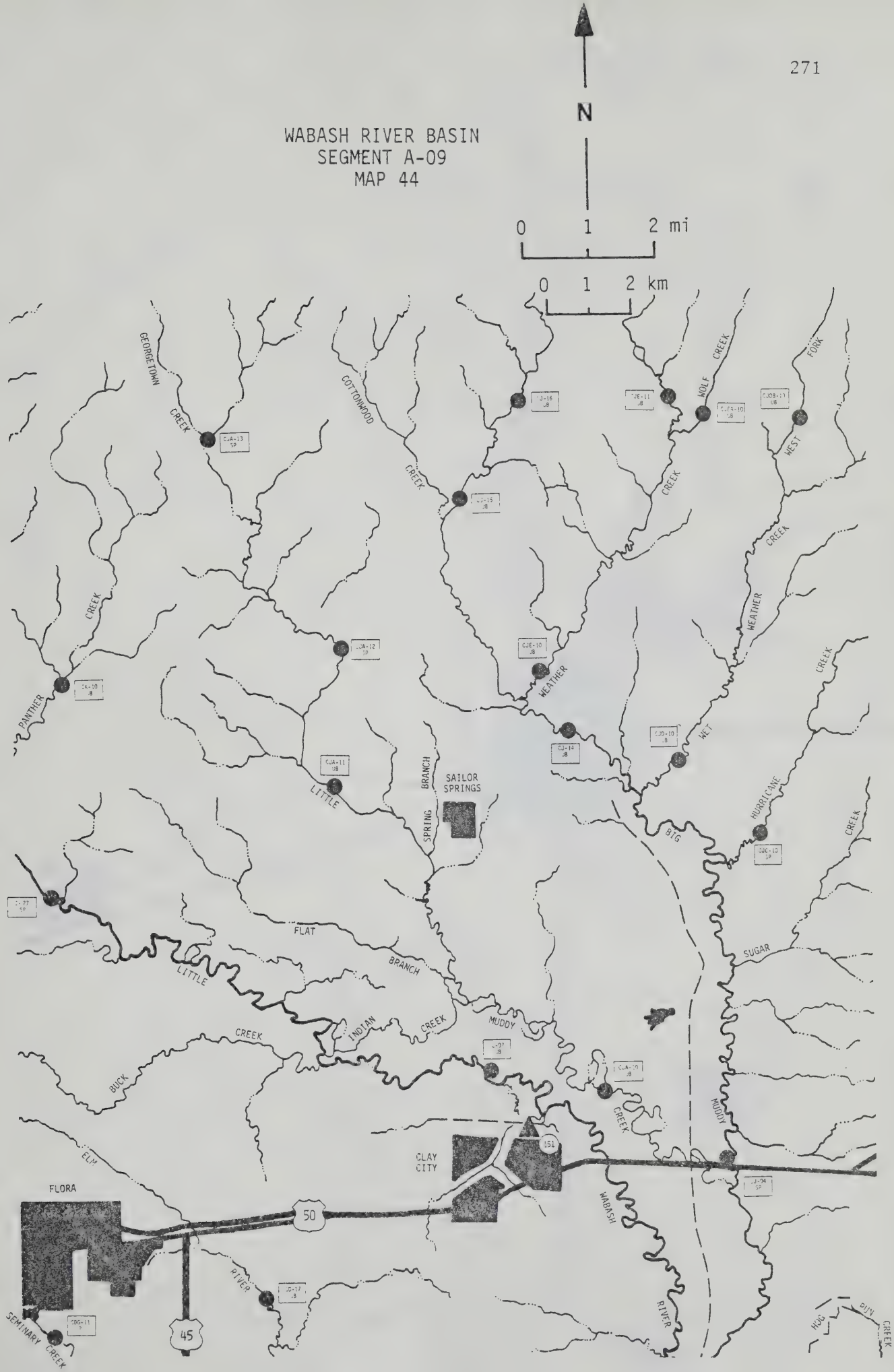
WABASH RIVER BASIN
SEGMENT A-09
MAP 41



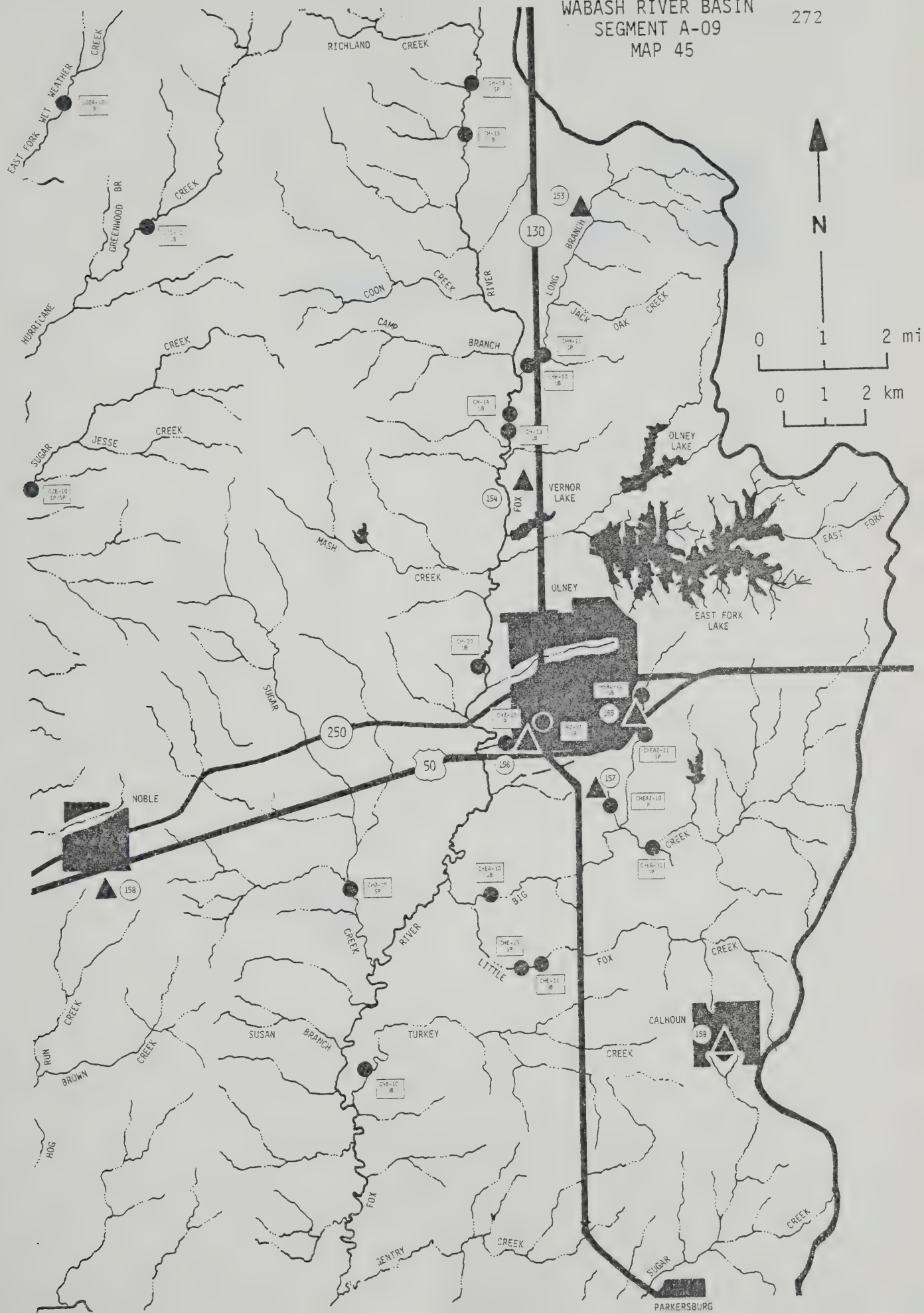


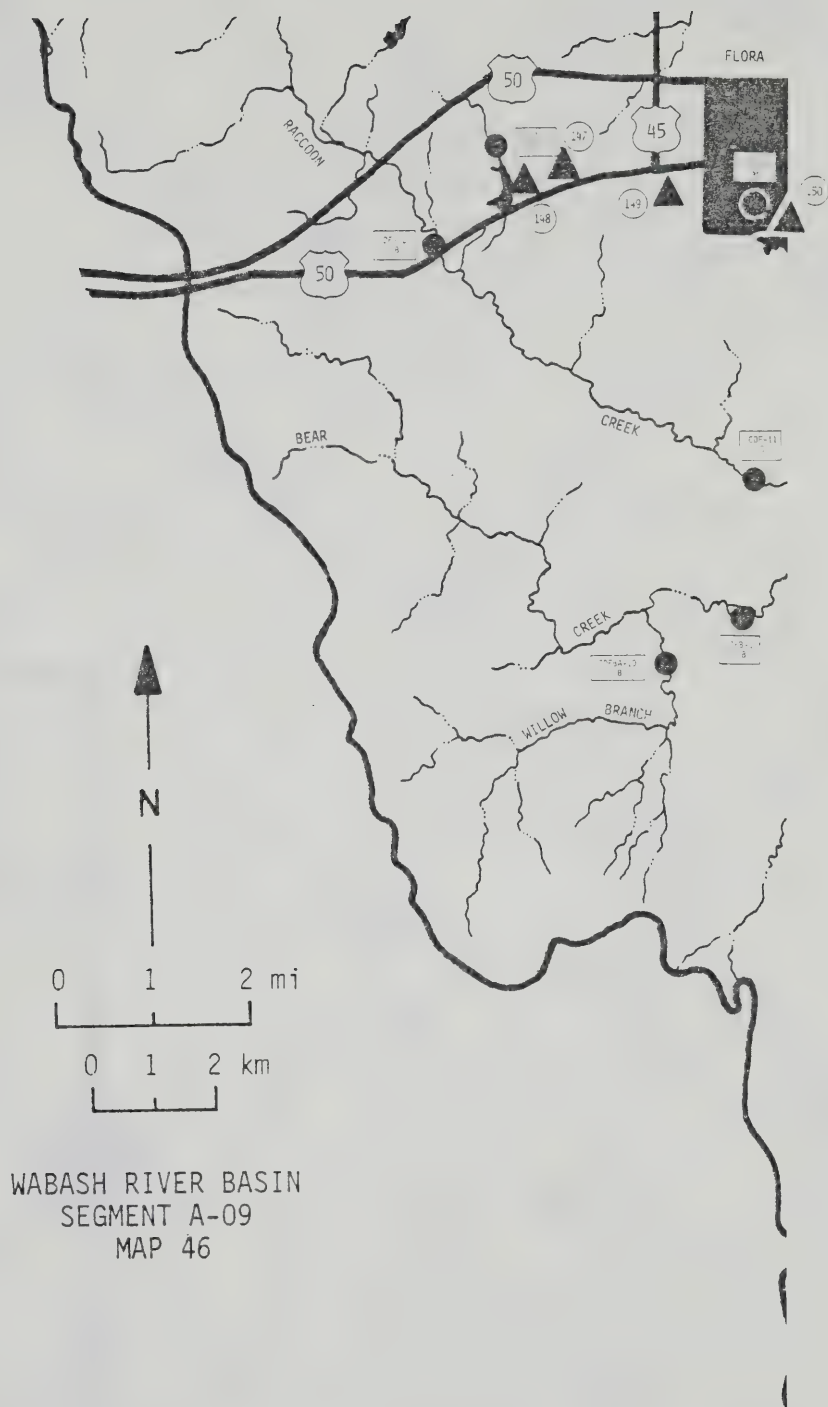
WABASH RIVER BASIN
SEGMENT A-09
MAP 43

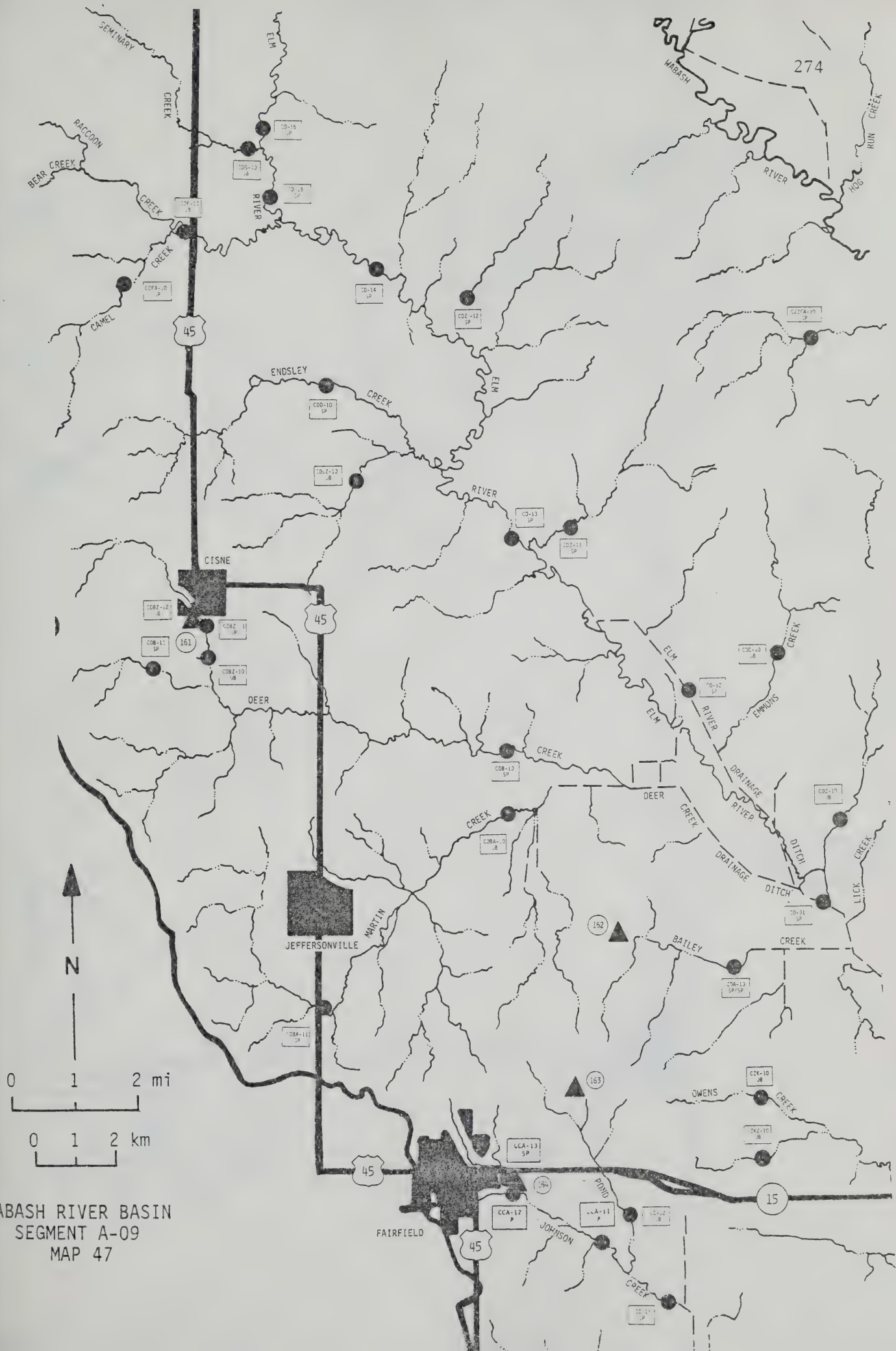
WABASH RIVER BASIN
SEGMENT A-09
MAP 44



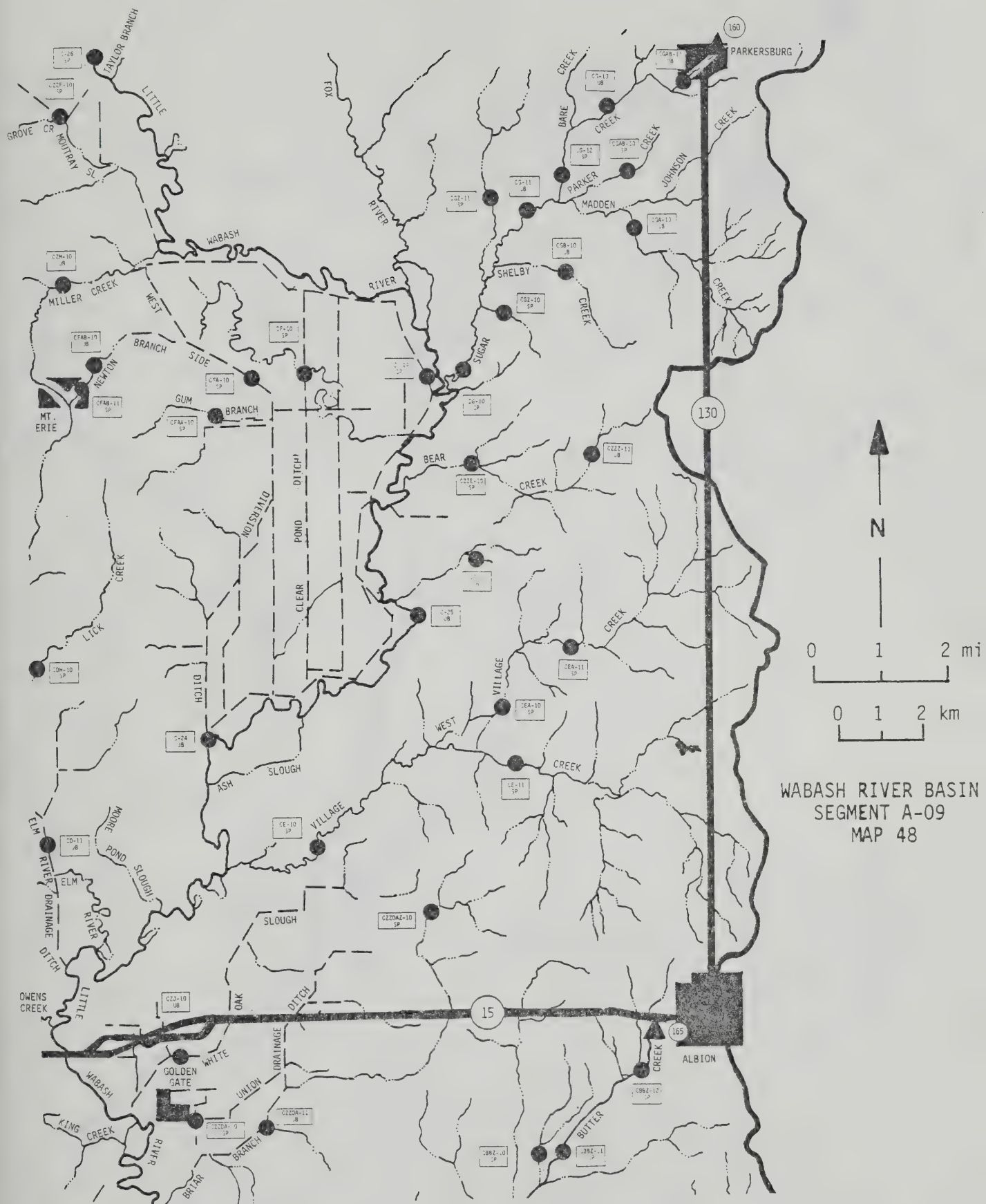
272

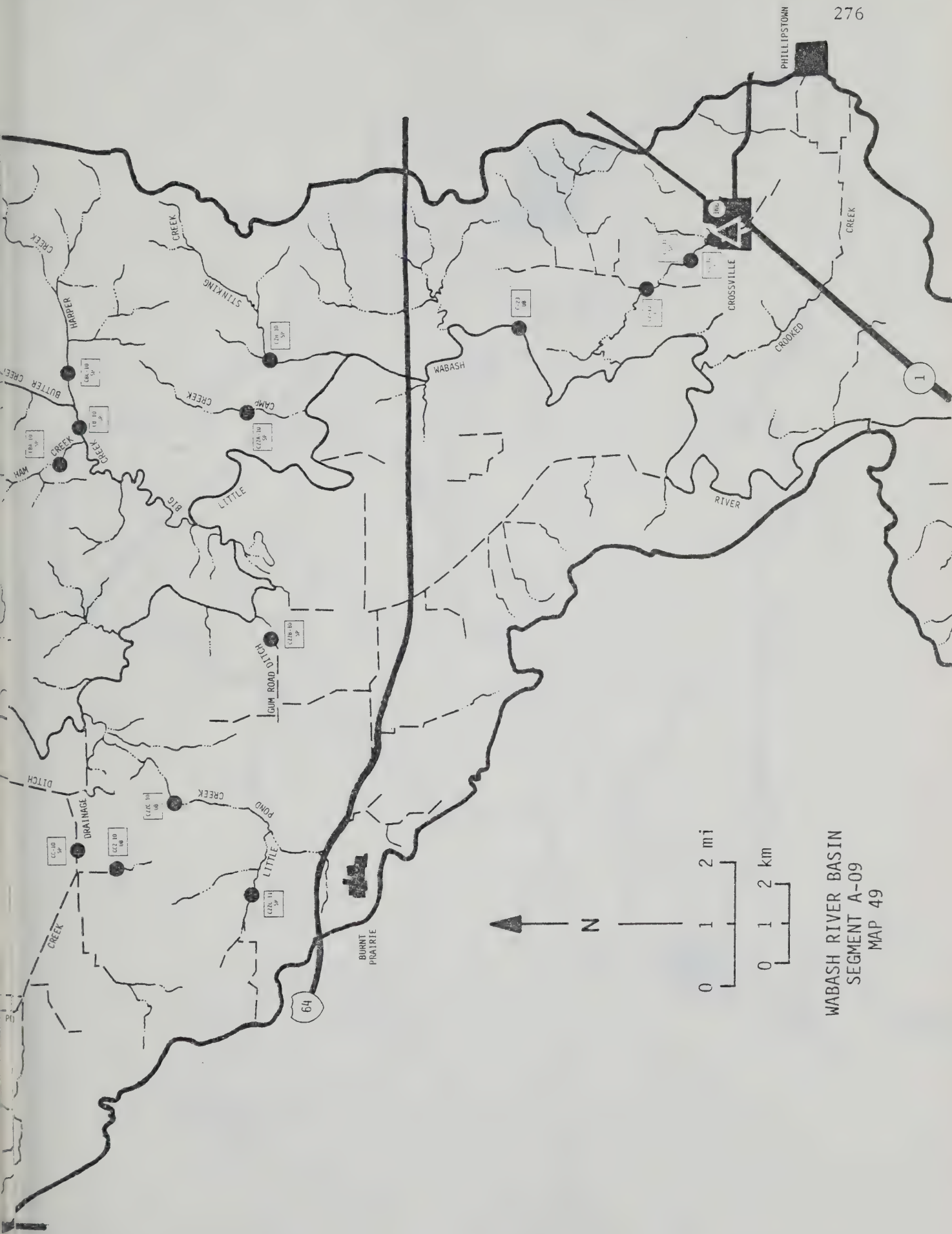


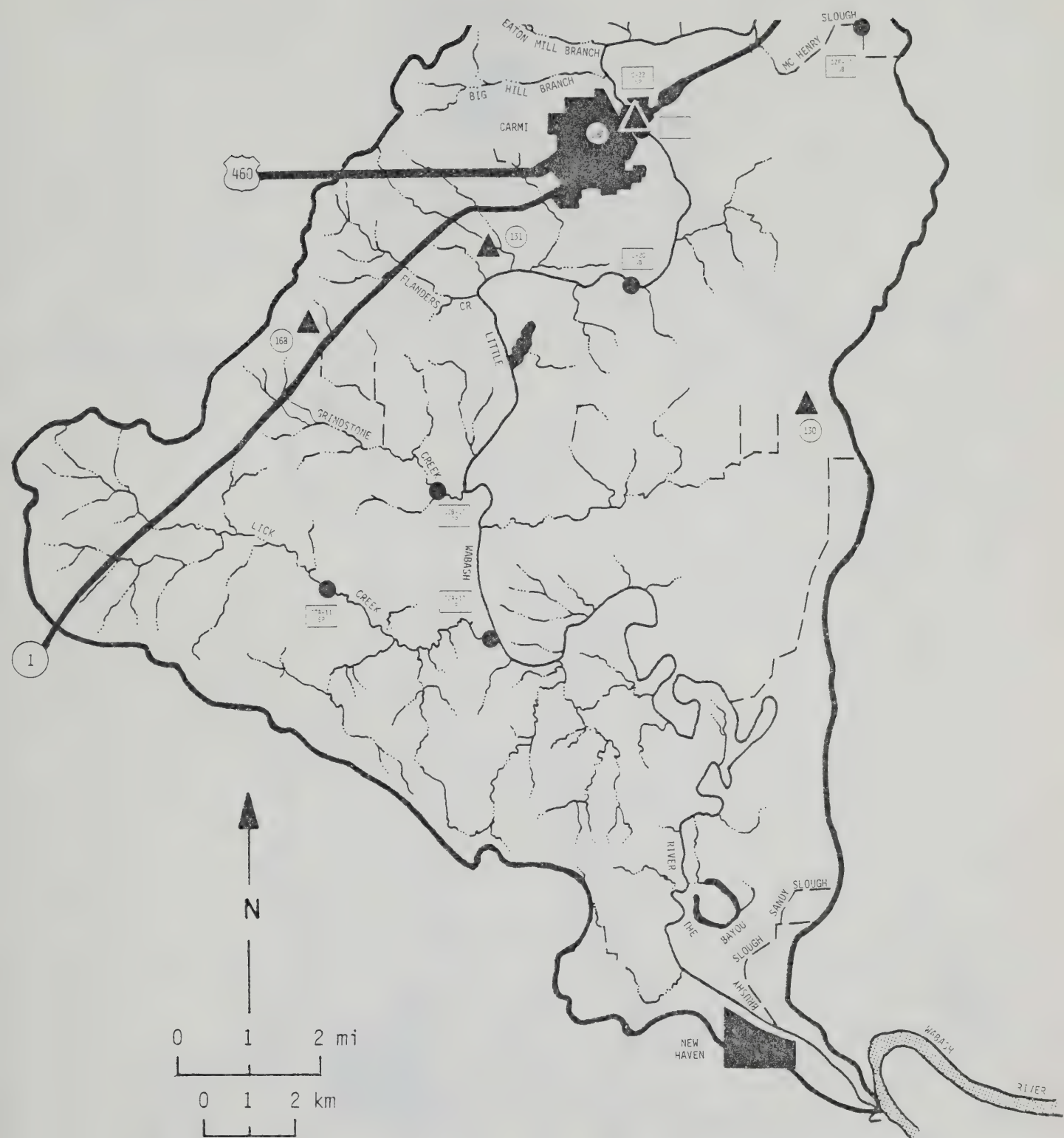




WABASH RIVER BASIN
 SEGMENT A-09
 MAP 47

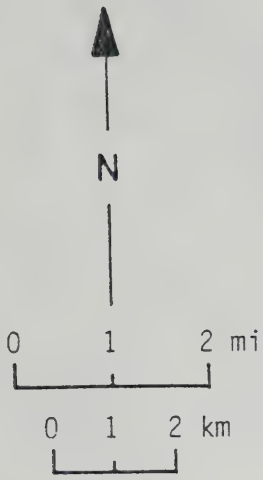


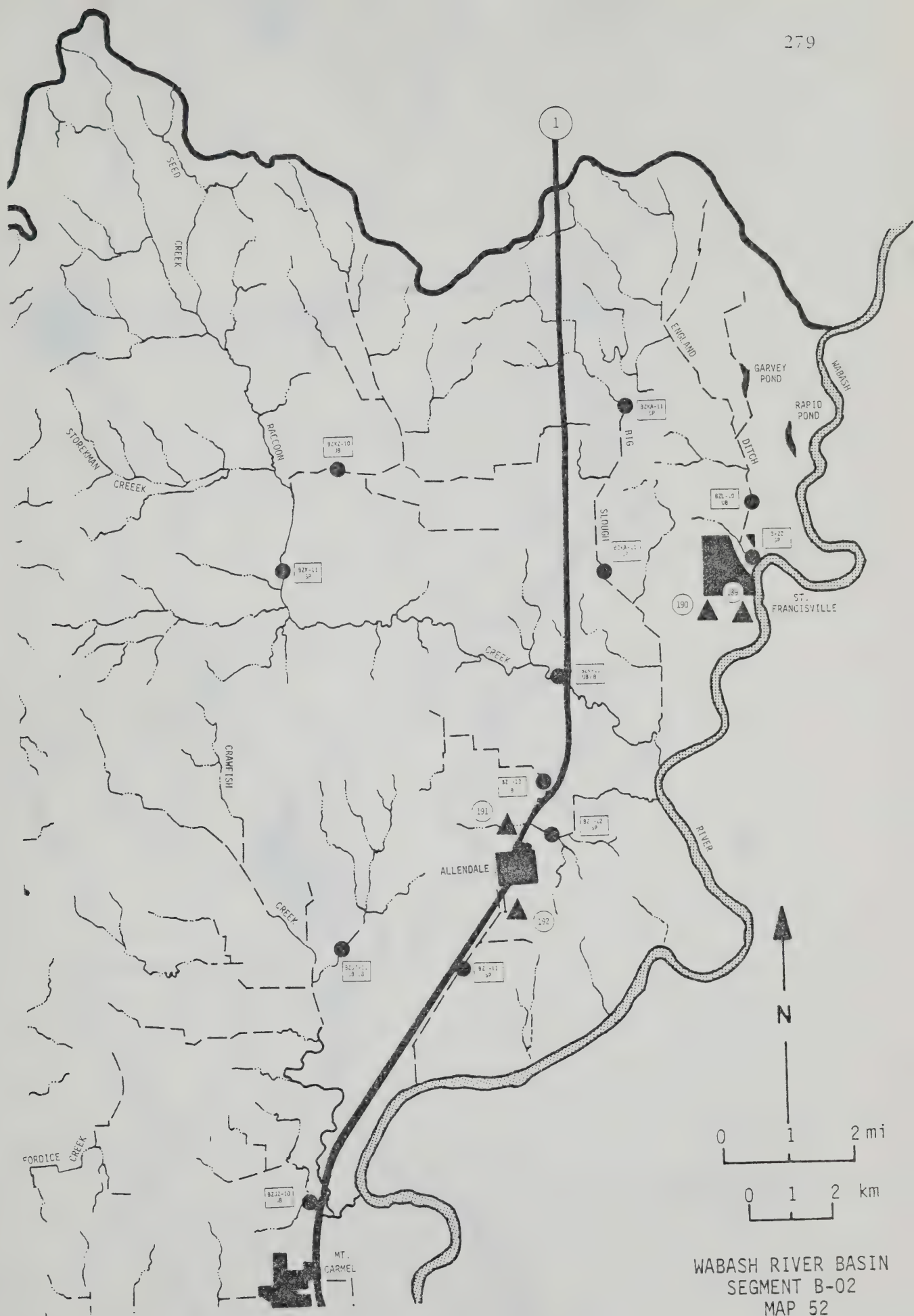




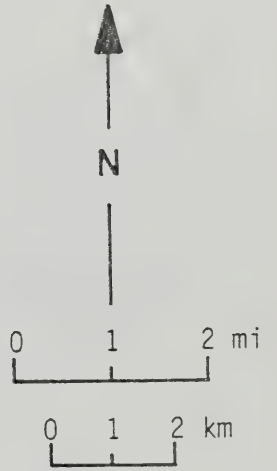
WABASH RIVER BASIN
SEGMENT A-09
MAP 50

WABASH RIVER BASIN
SEGMENT B-02
MAP 51





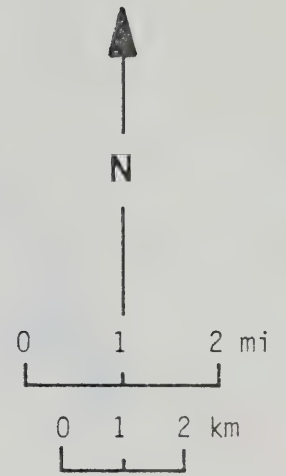
WABASH RIVER BASIN
SEGMENT B-02
MAP 52



WABASH RIVER BASIN
SEGMENT B-02
MAP 53

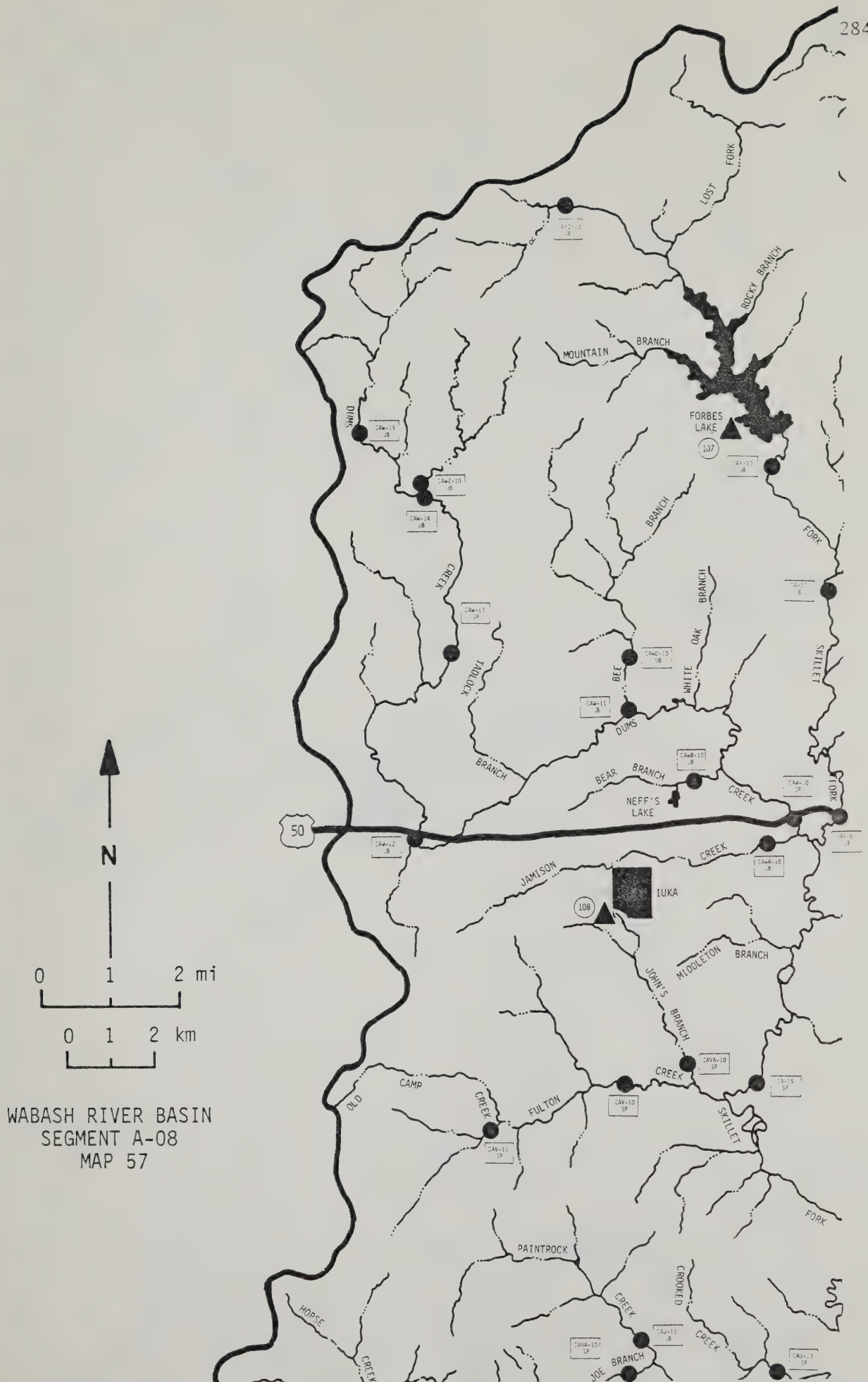


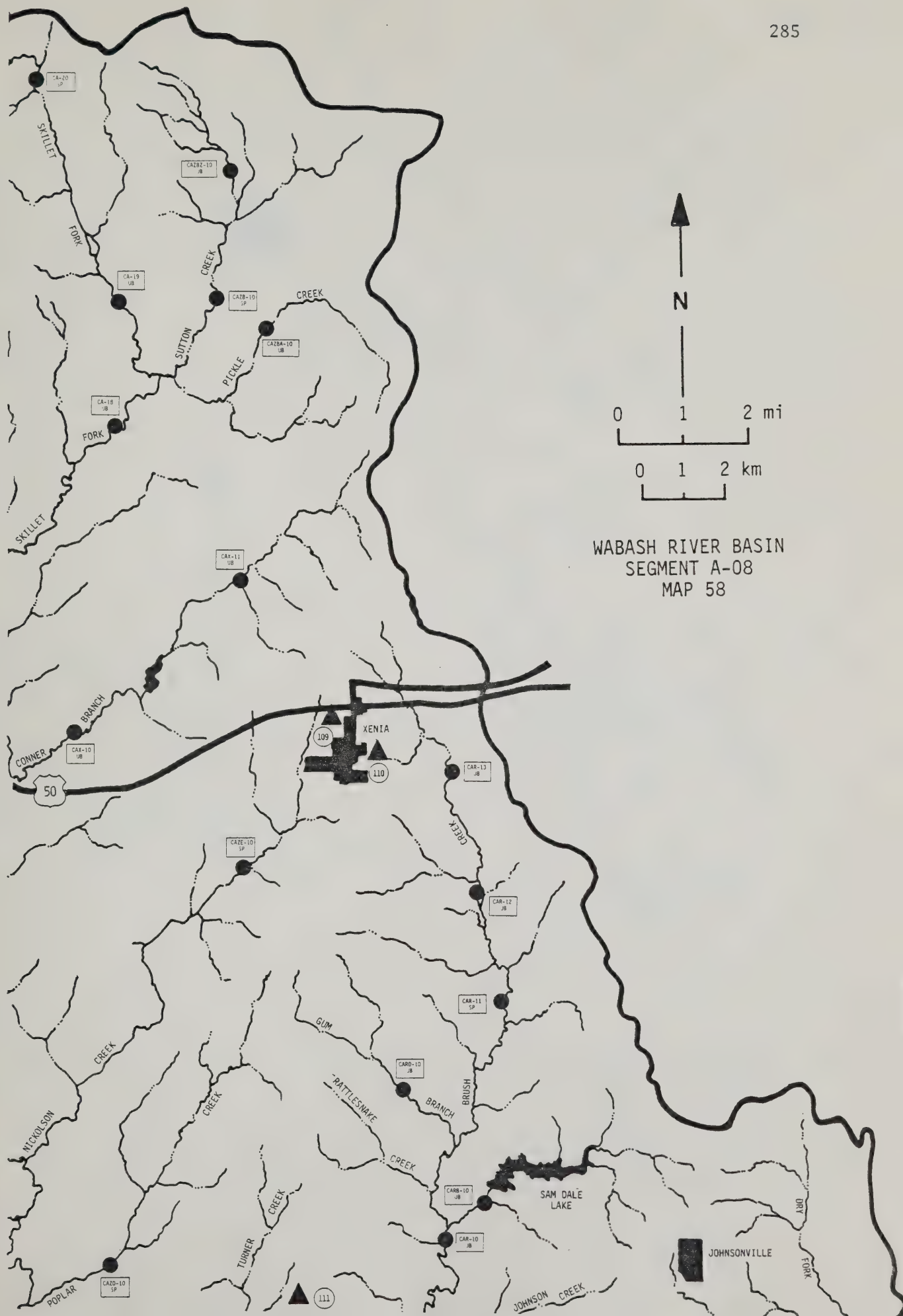




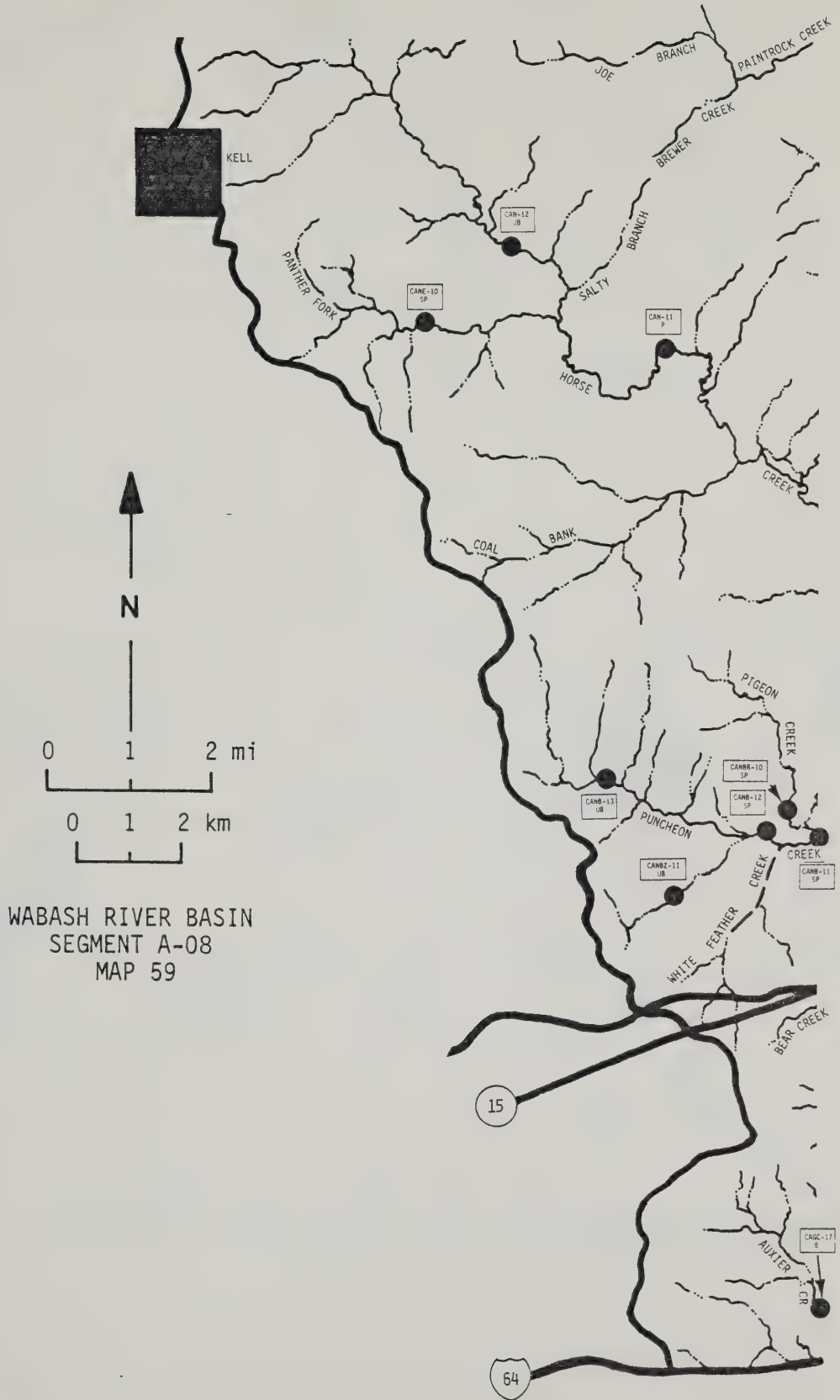
WABASH RIVER BASIN
SEGMENT B-02
MAP 56

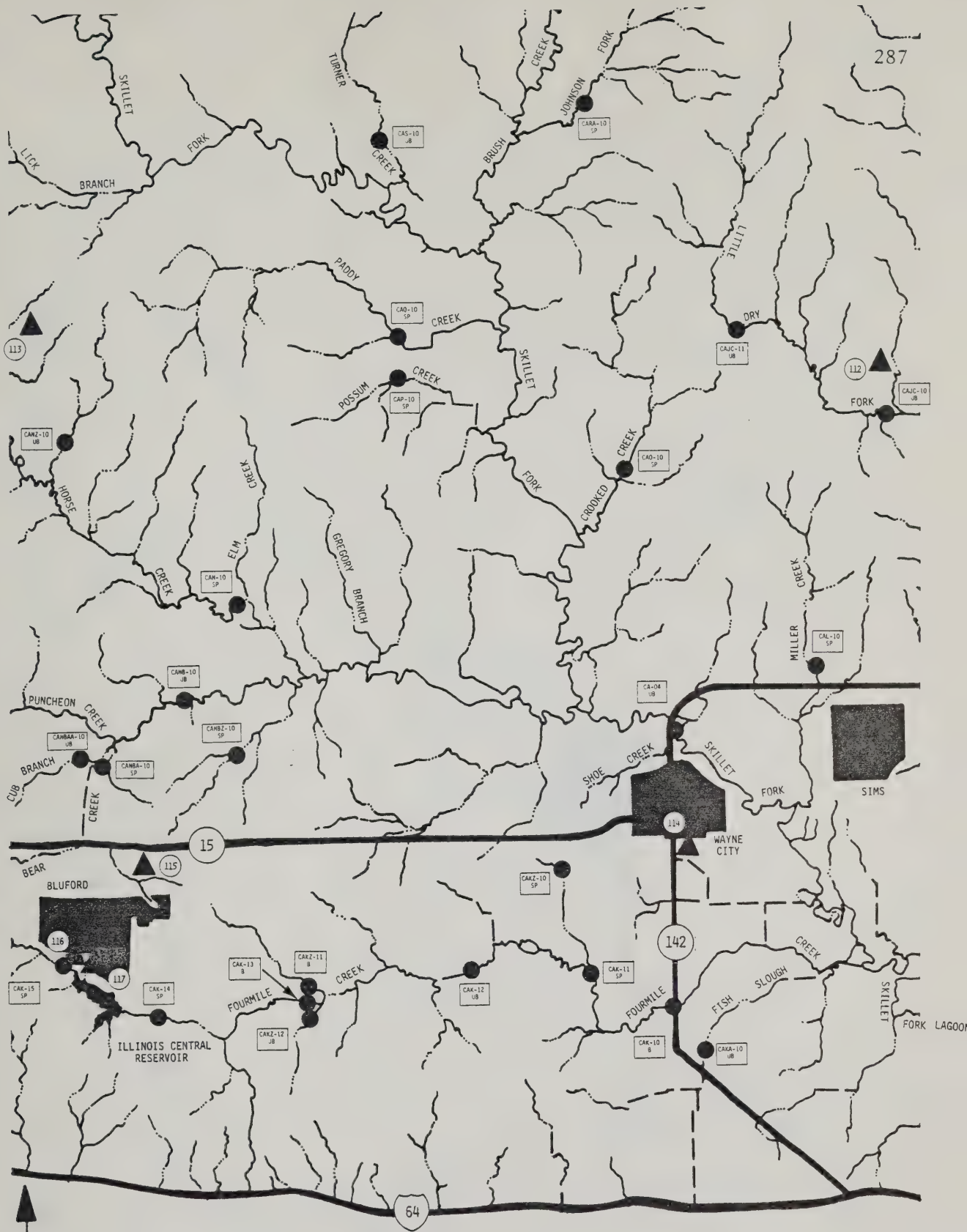




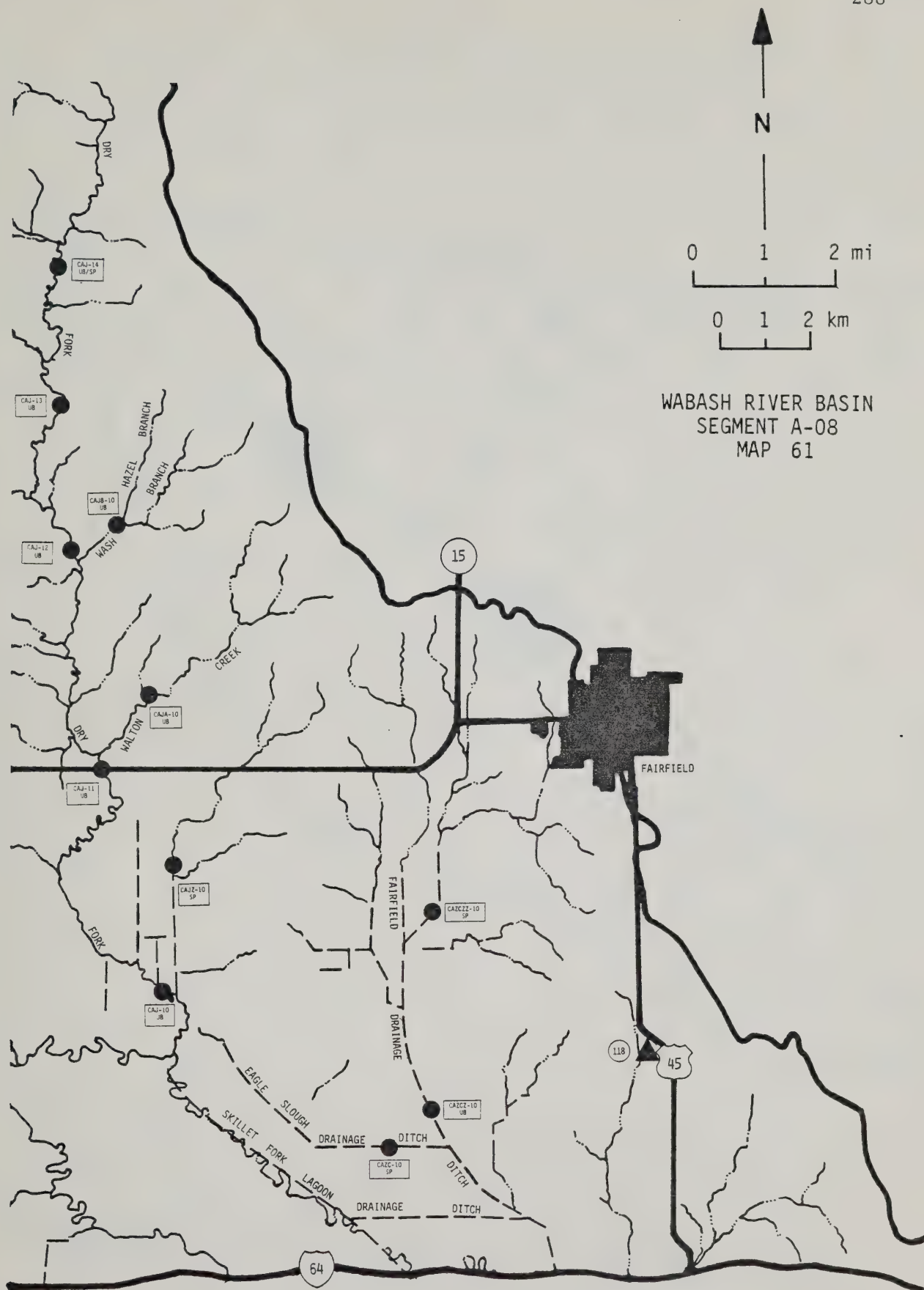


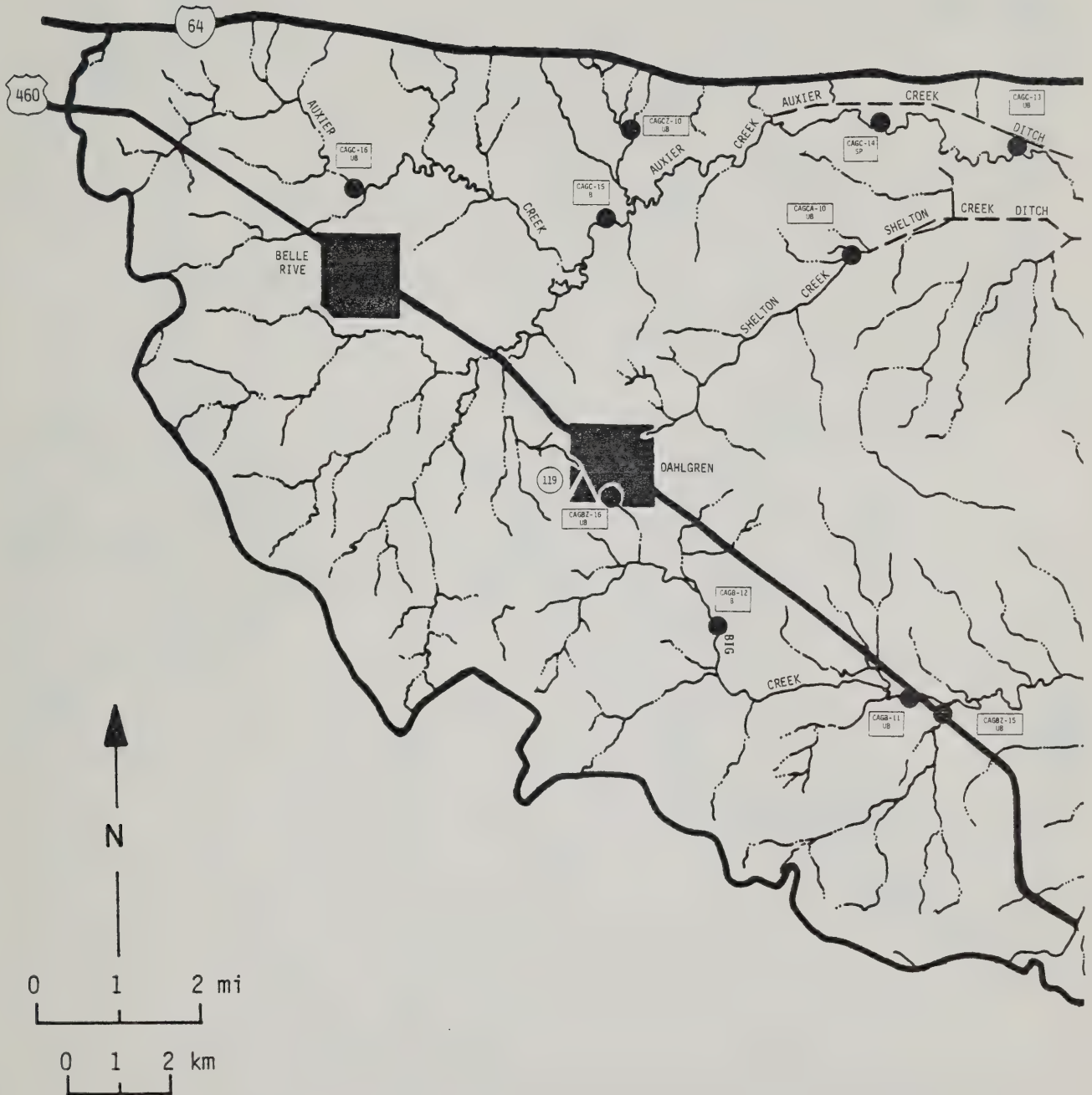
WABASH RIVER BASIN
SEGMENT A-08
MAP 58



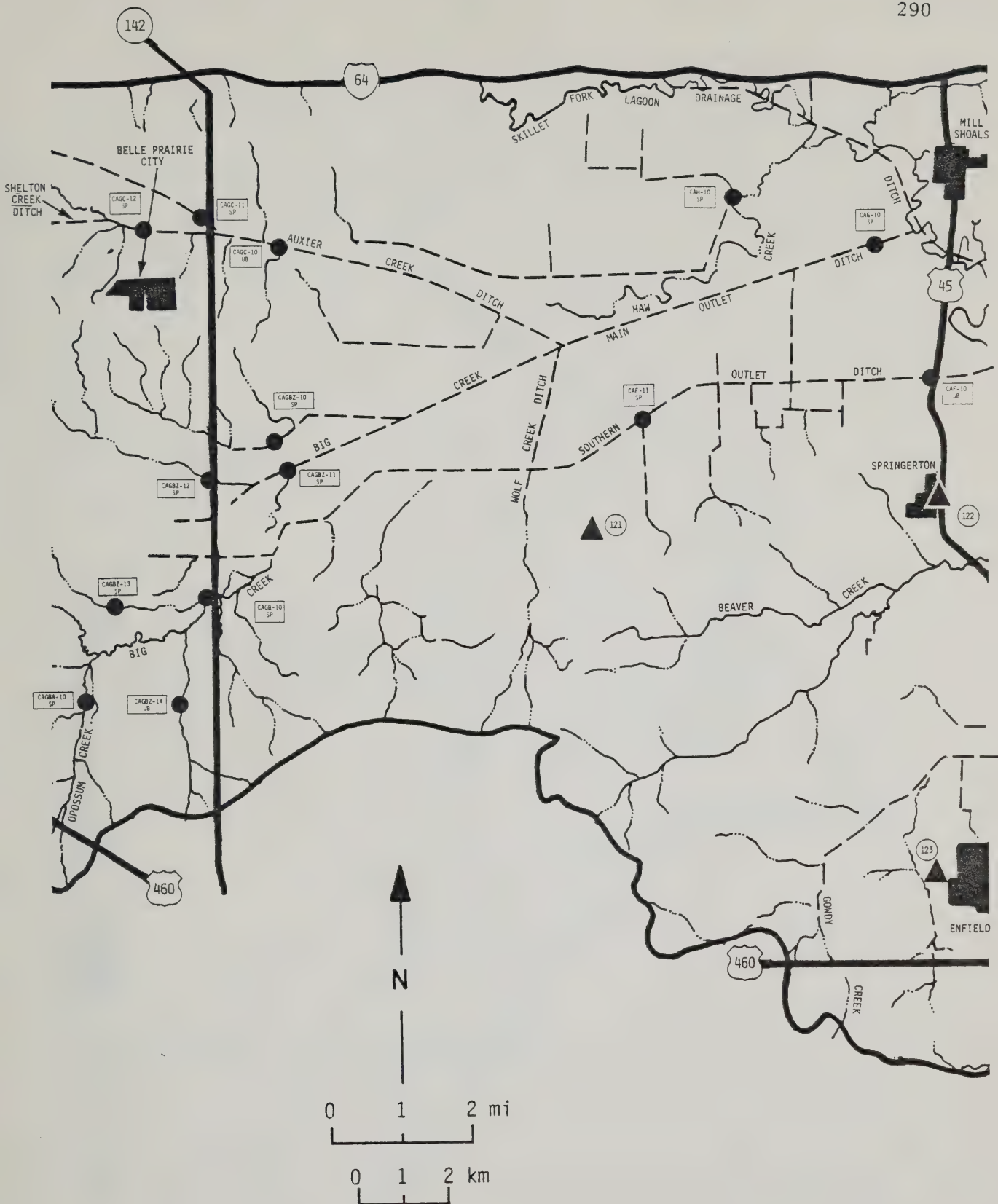


WABASH RIVER BASIN
SEGMENT A-08
MAP 60

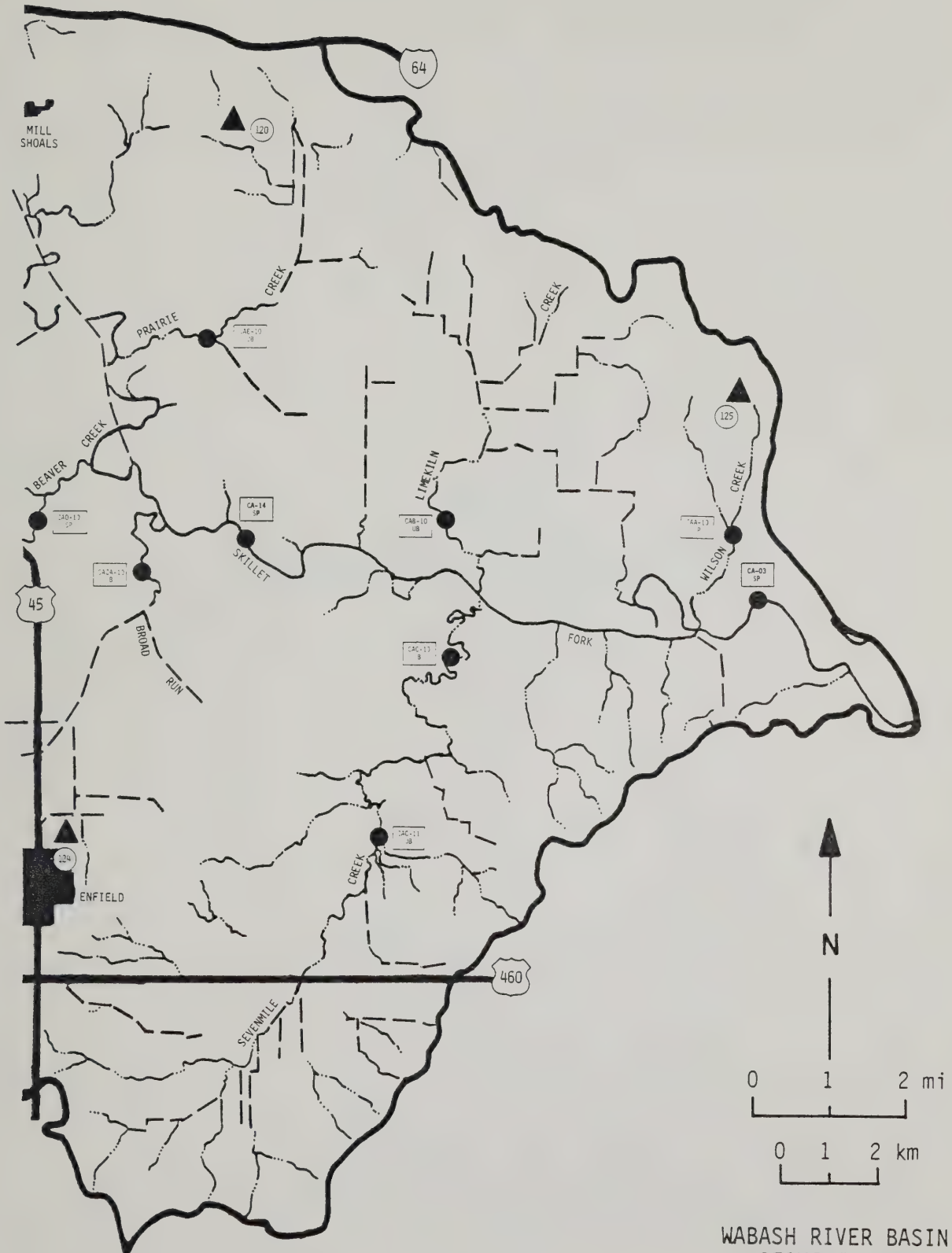




WABASH RIVER BASIN
SEGMENT A-08
MAP 62



WABASH RIVER BASIN
SEGMENT A-08
MAP 63



WABASH RIVER BASIN
SEGMENT A-08
MAP 64

APPENDIX 5

CHLORIDE CONCENTRATIONS AT SELECTED STREAM
SITES IN THE WABASH RIVER BASIN

STATION NUMBER	CHLORIDE (mg/l)	STATION NUMBER	CHLORIDE (mg/l)	STATION NUMBER	CHLORIDE (mg/l)
B-04	34	BEAC-10A	32	BEFAA-10	12
B-16	32	BEAC-10B	17	BEFAAA-10	18
B-17	32	BEAZ-10	6	BEFAAA-11	24
B-18	33	BEB-10	83	BEFAB-10	18
B-19	32	BEB-11	110	BEFC-11	240
B-20	30	BEB-12	98	BEFD-10	10
B-21	35	BEB-13A	110	BEFE-11	90
B-22	32	BEB-13B	118	BEFEZ-10	130
BB-10	24	BEBB-10A	370	BEFF-10	26
BBA-10	49	BEBB-10B	112	BEFG-11	26
BC-11	18	BEBZ-10	470	BEFH-10	30
BC-12	20	BEBZ-11	520	BEFI-10	16
BCA-10	406	BEC-10	180	BEFJ-10	17
BCE-10	24	BED-10	200	BEFN-10B	10
BCF-10	20	BED-11	260	BEFO-10	25
BCZ-10	85	BED-12	36	BEFSZ-10	43
BDZ-10	264	BEDA-10	1,600	BEG-10A	120
BE-01	25	BEDA-11	88	BEG-10B	42
BE-02	37	BEDB-10	230	BEGA-10	8
BE-36	43	BEDB-11	150	BEGA-11	9
BE-37	27	BEDC-10	280	BEGA-12	9
BE-38	34	BEF-03	140	BEGB-10	24
BE-39	34	BEF-15	95	BEGB-11	25
BE-40	24	BEF-16	110	BEZ-18	17
BE-41	33	BEF-17	180	BEZA-10	9
BE-42	32	BEF-19	140	BEZA-11	5
BE-43	30	BEF-23	29	BEZA-12	8
BE-44	18	BEF-25B	92	BEZB-10	24
BE-45	34	BEFA-11	17	BEZB-11	39
BEA-10	3,700	BEFA-12B	12	BEZB-12	1,100
BEA-11	31	BEFA-13	12	BEZC-10	13
BEABA-10	27	BEFA-15	24	BEZE-10	1,200

STATION NUMBER	CHLORIDE (mg/l)	STATION NUMBER	CHLORIDE (mg/l)	STATION NUMBER	CHLORIDE (mg/l)
BEZG-10	100	BG-11	17	BIB-11	13
BEZJ-10	30	BG-12	10	BJ-01	16
BEZZA-10	9	BG-13	13	BJ-10	14
BEZZA-11	8	BGA-10	13	BJ-11	13
BEZZAA-10	7	BGB-10	140	BJ-12	12
BEZZAB-10	22	BH-01A	16	BJ-13	19
BF-01	550	BH-01B	15	BJA-10	79
BF-11A	500	BH-10	9	BJAZ-10	190
BF-11B	288	BH-11	13	BJAZ-11	54
BF-12	41	BH-12	13	BJB-10	13
BF-13	220	BH-13	14	BJB-11	11
BFA-10	11	BH-14	15	BJB-12	11
BFA-11	9	BH-15	10	BJB-13	17
BFB-10	9	BH-16	11	BJB-14	18
BFB-11	26	BH-17	9	BJB-15	25
BFB-12	30	BHA-10	10	BJBB-10	11
BFB-13	17	BHC-11	13	BJBB-11	9
BFBZ-10	15	BHC-12	12	BJBZ-10	5
BFBZ-11	32	BHCA-10	10	BJC-10	13
BFBZ-12	38	BHCA-11	16	BJC-11	18
BFZ-10	390	BHCB-10	12	BJC-12	12
BFZ-11A	430	BHD-10	10	BJC-13	22
BFZ-11B	430	BHF-10	29	BJD-10	11
BFZ-13	71	BHFZ-10	59	BJZ-10	22
BFZ-14	24	BHFZ-11	58	BJZ-11	18
BFZ-15	67	BHFZ-12	33	BK-10	13
BFZ-16	36	BHFZ-13	14	BK-11	9
BFZ-17	30	BHG-10	10	BL-10	17
BFZ-18	36	BHH-10	15	BL-11	17
BFZ-19	55	BHL-10	9	BL-12	17
BFZ-20	82	BHZ-10	8	BL-13	20
BG-10	25	BIB-10	11	BL-14	30

STATION NUMBER	CHLORIDE (mg/l)	STATION NUMBER	CHLORIDE (mg/l)	STATION NUMBER	CHLORIDE (mg/l)
BLB-10	17	C-24	27	CAGBZ-13	8
BLB-11	21	C-25	28	CAGBZ-15	17
BLB-12	37	C-26	46	CAGBZ-16	22
BZ-10	30	C-27	13	CAGC-12	17
BZ-13	520	C-28	14	CAGC-13	39
BZ-14	22	C-29	15	CAGC-14	8
BZ-15	14	C-30	15	CAGC-15	10
BZA-10	27	C-31	17	CAGC-16	31
BZJZ	2,100	C-32	18	CAGC-17	104
BZJZ-10	580	C-33	10	CAJ-11	110
BZJZ-11A	1,940	C-34	13	CAJ-12	270
BZJZ-11B	1,350	C-35	19	CAJ-13	75
BZK-10A	110	C-36	50	CAJ-14A	150
BZK-10B	122	C-37	29	CAJ-14B	4,900
BZK-11	220	C-38	32	CAJA-10	49
BZKA-10	550	C-39	120	CAJB-10	60
BZN-10	18	CA-04	16	CAJC-10	510
BZN-11	16	CA-14 (1)	49	CAJC-11	130
BZO-10	21	CA-14 (2)	69	CAK-10	93
BZO-11	18	CA-19	6	CAK-11	52
BZO-12	25	CA-20	5	CAK-12	54
BZS-10	16	CAA-10	57	CAK-13	56
BZS-11	28	CAB-10	28	CAK-14	10
BZS-12	35	CAC-11	450	CAK-15	24
BZT-10	13	CAE-10	21	CAKA-10	100
BZU-10	20	CAG-10	57	CAKZ-10	8
BZU-11	22	CAGB-10	23	CAKZ-11	24
BZUZ-10	20	CAGB-11	13	CAKZ-12	7
BZV-10	15	CAGB-12	11	CAL-10	190
C-06	20	CAGBA-10	42	CAN-10	184
C-07	40	CAGBZ-10	10	CANB-10	47
C-10	13	CAGBZ-11	93	CANB-11	6
C-23	50	CAGBZ-12	90	CANB-12	9

STATION NUMBER	CHLORIDE (mg/l)	STATION NUMBER	CHLORIDE (mg/l)	STATION NUMBER	CHLORIDE (mg/l)
CANB-13	9	CBA-10	1,170	CDZ-11	97
CANBA-10	1,150	CBBZ-10	64	CDZ-12	212
CANBAA-10	32	CBC-10	297	CE-10	25
CANBB-10	5	CC-10	77	CE-11	18
CANBZ-10	23	CC-11	77	CEA-10	13
CANBZ-11	15	CCA-11	90	CEA-11	13
CAND-10	530	CCZ-10	430	CF-10	9
CANDZ-10	190	CCZ-11	90	CFAA-10	17
CANDZ-11	96	CD-11	116	CFAB-10	31
CANZ-10	52	CD-12	151	CFAB-11	22
CAR-10	20	CD-13	67	CG-10	54
CARB-10	6	CD-14	50	CG-11	60
CAU-10	15	CD-15	77	CG-12	41
CAU-11	17	CD-16	47	CG-13	12
CAUA-10	11	CD-17	99	CGA-10	152
CAV-10	8	CDA-10B	290	CGAB-10	63
CAV-11	6	CBD-10	60	CGAB-11	30
CAVA-10	48	CDB-11	16	CGZ-10	61
CAW-14	6	CDBA-10	138	CGZ-11	26
CAW-15	6	CDBA-11	95	CH-03	29
CAWA-10	14	CDBZ-10	83	CH-13	34
CAWB-10	11	CDBZ-12	16	CH-14	88
CAWD-10	5	CDD-10	120	CH-15	79
CAWZ-10	8	CDF-10	40	CH-16	163
CAYZ-10	4	CDF-11	98	CHB-10	8
CAZA	15	CDF-12	27	CHD-10	1,500
CAZA-10	30	CDFB-10	26	CHDZ-10	230
CAZB-10	15	CDFZ-10	8	CHE-10	14
CAZBA-10	15	CDG-10	75	CHE-11	25
CAZBZ-10	6	CDG-11	100	CHEA-10	14
CAZCZ-10	190	CDG-12	58	CHEA-11	9
CB-10	64	CDH-10	17	CHEAZ-10	9

STATION NUMBER	CHLORIDE (mg/l)	STATION NUMBER	CHLORIDE (mg/l)	STATION NUMBER	CHLORIDE (mg/l)
CHEAZ-11	120	CM-12	7	CRZ-11	61
CHEAZ-12	31	CN-10	34	CS-10	16
CHH-10	32	CN-11	42	CS-11	20
CHH-11	8	CO-10	20	CT-10	19
CHZ-10	90	CO-11	15	CT-11	20
CHZ-11	43	CO-12	41	CT-12	22
CJ-04	81	COA-10	6	CTB-10	24
CJ-14	8	COA-11	5	CTC-10	21
CJ-15	8	COB-10	126	CU-10	1,600
CJ-16	7	COZ-10	6	CUA-10	40
CJ-17	15	CP-01	30	CZ-10	81
CJ-18	18	CP-11	46	CZ-14	11
CJ-19	25	CP-12	59	CZ-15	540
CJA-10	145	CP-13	80	CZA-10	256
CJA-11	176	CP-14	43	CZA-11	108
CJA-12	97	CPA-10	13	CZB-10	78
CJA-13	64	CPA-11	23	CZF-10	8
CJB-10A	11	CPC-10	14	CZG-11	10
CJB-10B	43	CPC-11	14	CZH-10	525
CJC-10	5	CPD-10	23	CZM-10	26
CJC-11	7	CPZ-10	14	CZN-10	11
CJD-10	15	CPZ-11	160	CZQ-10	7
CJDA-10	6	CPZ-12	31	CZQ-11	10
CJDB-10	9	CPZ-13	150	CZR-10	6
CJE-10	13	CQ-10	8	CZR-11	4
CJE-11	7	CQ-11	6	CZW-10	21
CJEA-10	9	CQ-12	8	CZX-10	92
CJEB-10	11	CR-10	10	CZXZ-10	87
CJEC-10	7	CR-11	22	CZXZ-11	77
CJEC-11	8	CR-12	29	CZZA-10	33
CK-10	40	CR-13	15	CZZB-10	32
CM-01	110	CRB-10	30	CZZDA-11	9
CM-11	54	CRZ-10	62	CZZE-11	17

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